

Supplemental Material to:

**Holly Lewis, Raymond Lance, Dean Troyer, Hind Beydoun,
Melissa Hadley, Joseph Orians, Tiffany Benzine,
Kenya Madric, O John Semmes, Richard Drake,
and Aurora Esquela-Kerscher**

**miR-888 is an expressed prostatic secretions-derived
microRNA that promotes prostate cell growth and
migration**

Cell Cycle 2014; 13(2)
<http://dx.doi.org/10.4161/cc.26984>

<http://www.landesbioscience.com/journals/cc/article/26984>

Supplemental Table and Figure Legends.

Supplemental Table 1 A & B. Complete TaqMan-based microfluidic microarray data analyzing miRNA expression in the PC3-ML and PC3-N prostate cancer cell lines. The mammalian snoRNA U6 was used as the endogenous control and *Arabidopsis thaliana* Ath-miR-159a was used as a negative control in these experiments. When a reference cell line was noted as “undetermined” Ct, the fold-change in expression was calculated based on a Ct value of 40.

Supplemental Table 2. Differential miRNA expression in PC3-ML relative to PC3-N cell lines. Complete list of the 47 miRNAs showing \geq 3-fold change in expression.

Supplementary Table 3. TaqMan Assays used for miRNA expression profiling in prostate cell lines, tissues and EPS urine.

Supplementary Figure 1. miR-891a expression in human prostate cancer cell lines and primary prostate tumors. **A.** miR-891a expression was highest in the PC3-ML cell line, verifying results seen by low-density microfluidic array. miR-891a exhibited a similar expression pattern to miR-888 with higher expression seen in the hormone refractory cell lines compared to the androgen sensitive cell lines. Data were normalized to RNU48 and expression was relative to non-malignant prostate epithelial RWPE-1 cells. **B.** miR-891a expression levels in human FFPE prostate tissues from patients with insignificant, significant organ-confined, and metastatic prostate cancer relative to non-cancer patients. (Metastatic tissues were separated based on patient histopathology with [SVI+] or without [SVI-] seminal vesicle invasion); Baseline at point 0 on the graph is the average of 3 non-prostate cancer patients. For **A** and **B**, qRT-PCR was performed in triplicate and error bars represent mean + standard deviation. **C.** The mature miRNA sequences for cluster members miR-888 and miR-891a.

Supplemental Figure 2. miR-888 did not modulate apoptosis in human prostate cancer cells. PC3-N cells transfected for 24 hours with miR-888 mimic (50nM), scrambled mimic (50nM), or mock-treated did not display differences in the number of apoptotic or necrotic cells. Prostate cancer cells were labeled with 7AAD and Annexin V-APC and quantitated via flow cytometry.

Supplemental Figure 3. EPS urine represents a promising miRNA biomarker source. **A.** Novel use of EPS urine supernatant for miRNA expression profiling. miRNAs were reliably measured in a minimum volume of 500 μ L EPS urine. Total RNA was extracted from various starting volumes of EPS urine supernatant and analyzed using TaqMan-based qRT-PCR (miR-125b shown). **B.** Independent trials of total RNA isolation from 500 μ L of EPS urine supernatant showed that miRNA levels could be reliably quantified. **C.** MiRNAs were stable in EPS urine supernatant incubated at various temperatures for up to 48 hours. EPS urine pools were obtained from patients with (cancer) and without (non-cancer) prostate cancer. A-C, Samples were run in triplicate using qRT-PCR and error bars show standard deviation (SD).

Supplemental Figure 4. MiRNA expression profiles in EPS urine supernatant pools from patients with prostate cancer and high-grade cancer relative to EPS urine supernatant pools from non-prostate cancer patients. EPS urine samples were normalized by spiking-in 50 fM *C. elegans* miR-39 prior to RNA isolation. TaqMan-based qRT-PCR was done in triplicate and error bars show mean + standard deviation (SD). Additional miRNAs tested whose expression was not detected; *let-7e*, miR-124a, miR-137, miR-330-5p, miR-495, miR-498, miR-503, miR-505, miR-517c, miR-520d-3p, miR-545, and miR-551b.

Supplemental Figure 5. MiRNAs significantly regulated in EPS urine supernatant from patients with high-grade relative to lower-grade prostate cancer. This subset of miRNAs were amongst those tested in Supplemental Figure 4 and found statistically significant using 1-way ANOVA with Tukey's Multiple Comparison tests.

Supplemental Figure 6. MiRNA expression in EPS urine pellets from cancer and non-cancer patients. Expression of miR-888 (**A**), *let-7c* (**B**), and miR-200b (**C**) in EPS urine pellets were not statistically different when compared across the spectrum of the disease (insignificant, significant organ-confined, metastatic prostate cancer) or between cancer versus non-cancer. Pellet specimens were normalized to the mean of RNU44 and RNU48 expression. Average fold-differences between cancer and non-cancer miRNA expression levels were obtained using the $\Delta\Delta Ct$ method (top panel) or

represented as raw delta Ct values (bottom panel). P-values for miR-888, *let-7c* and miR-200b are p=0.4073, p=0.6598, and p=0.4053 respectively.

Supplementary Table 1A. MiRNA expression in PC3-ML cells as compared to PC3-N.

MiRNA	Trial 1 Ct- PC3-MLa	Trial 2 Ct- PC3Mb031009	Average Fold- Change in Expression MLa vs Na	Average Fold- Change in Expressio n MLb vs Na	Average Fold- Change in Expression MLb vs Nb	Average Fold- Change in Expression MLa vs Nb	Average Fold-Change in Expression	Log2 Average Fold-Change in Expression	Standard Deviation Average Fold-Change in Expression
hsa-let-7a-4373169	26.661068	27.241573	2.702927	2.164607	2.5914376	2.075322	2.3835734	1.25312605	0.30992443
hsa-let-7c-4373167	32.689358	32.6678	4.1606927	5.057658	4.919925	5.980567	5.029710675	2.33047541	0.74658198
hsa-let-7d-4395394	27.768616	27.64829	3.0243564	3.9368486	2.9823792	3.8822062	3.4564476	1.78929005	0.52392721
hsa-let-7e-4395517	24.461765	23.962643	2.4434853	4.135756	1.9268309	3.261285	2.9418393	1.55671844	0.96714036
hsa-let-7f-4373164	30.927408	30.414171	1.0867578	1.8574924	1.6139358	2.758548	1.8291835	0.87119981	0.69810392
hsa-let-7g-4395393	26.213057	26.46335	1.5298295	1.5402507	1.3938898	1.4033848	1.4668387	0.55271023	0.07896223
hsa-mir-1-4395333	Undetermined	Undetermined							
hsa-mir-9-4373285	28.36971	28.91056	0.4824604	0.3971403	0.5675545	0.467186	0.478585323	-1.06315194	0.06998515
hsa-mir-10a-4373153	27.601427	28.00761	2.466073	2.228573	2.3134239	2.090625	2.274673725	1.18565962	0.15719889
hsa-mir-10b-4395329	30.273615	29.892616	1.1908182	1.8570861	0.9801828	1.5285993	1.3891716	0.47422482	0.38514066
MammU6-4395470	19.651455	20.093382	1	1	1	1	1	0	0
MammU6-4395470	19.676537	19.99087	1	1	1	1	1	0	0
hsa-mir-15a-4373123	34.468105	36.139793	0.1488191	0.0559403	1.1227992	0.4220541	0.437403178	-1.19296439	0.48263098
hsa-mir-15b-4373122	25.72988	26.114382	2.7526062	2.5251758	2.6368668	2.4189992	2.583412	1.36927774	0.14365133
hsa-mir-16-4373121	22.618444	22.561356	1.2175711	1.5169599	1.3715333	1.7087797	1.453711	0.53974049	0.20942436
hsa-mir-17-4395419	22.20966	22.358095	2.0403197	2.204494	2.0859895	2.2538388	2.1461605	1.10175797	0.09969995
hsa-mir-18a-4395533	28.026558	28.093134	2.7212315	3.111848	3.1303587	3.579703	3.1357853	1.64882678	0.35096069
hsa-mir-18b-4395328	32.190517	31.948858	3.482578	4.931077	2.060421	2.9174063	3.347870575	1.74324376	1.2065812
hsa-mir-19a-4373099	25.065287	25.31586	1.5812255	1.5916874	1.3347863	1.3436177	1.462829225	0.54876135	0.1428618
hsa-mir-19b-4373098	22.629278	23.023321	1.8455763	1.6819285	1.8927459	1.7249155	1.78629155	0.83696757	0.09917304
hsa-mir-20a-4373286	23.46872	23.63632	2.2324007	2.3802009	2.102722	2.2419364	2.239315	1.16305748	0.11337425
hsa-mir-20b-4373263	29.233505	30.662415	2.555246	1.1365348	2.4529624	1.0910406	1.80894595	0.8551493	0.80399954
hsa-mir-21-4373090	24.928848	25.005085	1.8817302	2.1374803	1.4656129	1.6648076	1.78740775	0.83786878	0.28869259
hsa-mir-22-4373079	36.882545	34.11087	0.1120582	0.9164223	0.0883839	0.7228116	0.459919007	-1.12054828	0.42290788
hsa-mir-23a-4373074	31.041666	31.990803	3.3213253	2.060094	4.4272003	2.7460272	3.1386617	1.65014954	1.00185958
hsa-mir-23b-4373073	39.312283	34.389645	0.0986899	3.5844982	0.8500521	30.87459	8.851957538	3.14599653	14.7579657
hsa-mir-24-4373072	21.92802	22.154829	1.5716114	1.608286	1.4883711	1.5231032	1.547842925	0.63025907	0.0528118
hsa-mir-25-4373071	27.801912	27.539162	2.347363	3.3726428	2.2751305	3.2688608	2.815999275	1.49364696	0.58511952
hsa-mir-26a-4395166	27.006416	27.24861	1.6383094	1.658757	1.3445506	1.3613318	1.5007372	0.58567136	0.17100145
hsa-mir-26b-4395167	27.397835	27.965868	1.2594537	1.0173758	1.1848319	0.957097	1.1046896	0.14364105	0.1411642
hsa-mir-27a-4373287	26.376474	26.595552	2.9980936	3.08454	3.2449632	3.3385277	3.166531125	1.66290326	0.15365346
hsa-mir-27b-4373068	30.454298	30.49187	3.3085437	3.8602931	4.0574374	4.7340765	3.990087675	1.99642045	0.58861537
hsa-mir-28-3p-4395557	28.11446	28.31402	1.7694855	1.845303	1.8461571	1.9252597	1.846551325	0.88483336	0.06360258
hsa-mir-28-5p-4373067	29.585772	29.285591	1.5234033	2.2463243	1.777811	2.6214597	2.042249575	1.03015918	0.48862395
MammU6-4395470	19.456139	19.77299	1	1	1	1	1	0	0
MammU6-4395470	19.510027	19.47727	1	1	1	1	1	0	0

hsa-miR-29a-4395223	21.766468	21.970114	1.3466426	1.4003712	1.3708951	1.4255913		1.38587505	0.47079719	0.03440496
hsa-miR-29b-4373288	28.666512	28.717388	1.2443247	1.438509	1.4725934	1.7024006		1.464456925	0.55036576	0.18780742
hsa-miR-29c-4395171	26.197672	26.474928	0.9706709	0.9591884	1.1152769	1.1020838		1.036805	0.05214458	0.08330109
hsa-miR-30b-4373290	25.234272	25.585331	1.8213707	1.7100679	2.0281663	1.9042263		1.8659578	0.89991636	0.13424573
hsa-miR-30c-4373060	25.659334	25.971766	1.8047118	1.7404075	1.8650568	1.7986022		1.802194575	0.84975478	0.05095273
hsa-miR-31-4395390	22.438656	22.73494	1.2850666	1.2532266	1.2951348	1.2630453		1.274118325	0.34949926	0.0193273
hsa-miR-32-4395220	34.7806	33.676678	0.4326806	1.1137187	0.8202086	2.1112149		1.119455675	0.16279741	0.7175951
hsa-miR-33b-4395196	Undetermined	Undetermined								
hsa-miR-34a-4395168	30.576036	30.324074	10.98814	15.66993	95.38499	136.0263		64.51734	6.01161505	61.4214618
hsa-miR-34c-5p-4373036	Undetermined	Undetermined								
hsa-miR-92a-4395169	26.086617	26.255611	5.406469	5.758846	5.395908	5.7475963		5.577204825	2.47954226	0.20334374
hsa-miR-93-4373302	24.681946	24.985924	1.5633098	1.5164666	1.7075986	1.6564318		1.6109517	0.68791324	0.08680677
hsa-miR-95-4373011	30.257637	30.816978	1.8472264	1.5011917	2.4906275	2.0240664		1.965778	0.9751004	0.41180879
hsa-miR-96-4373372	33.002785	31.78967	1.1400269	3.1651406	1.6603686	4.6098037		2.64383495	1.40263211	1.56689049
hsa-miR-98-4373009	30.082083	29.999231	1.6908689	2.1445935	2.8499165	3.6146574		2.575009075	1.36457752	0.84130933
hsa-miR-99a-4373008	22.461315	22.866789	1.9289439	1.7440306	2.1812143	1.972118		1.9565767	0.96833167	0.17948352
hsa-miR-99b-4373007	27.905535	27.658134	1.6435984	2.3364954	1.8623612	2.6474824		2.12248435	1.08575392	0.45402624
hsa-miR-100-4373160	21.423616	21.919453	2.2941504	1.9482943	2.2783694	1.9348924		2.113926625	1.0799253	0.19917275
hsa-miR-101-4395364	32.505615	31.958317	0.7498024	1.312182	0.8678863	1.5188332		1.112175975	0.15338508	0.36348524
hsa-miR-103-4373158	28.478294	28.524952	1.2382166	1.4356402	1.2359221	1.4329797		1.33568965	0.41758483	0.11388595
hsa-miR-105-4395278	32.657703	32.17951	52.55706	87.67508	488.68732	815.22253		361.0354975	8.49599688	361.693108
hsa-miR-106a-4395280	22.288544	22.519785	2.1636887	2.2073872	1.9519967	1.9914197		2.078623075	1.05562817	0.12577099
RNU44-4373384	25.485548	25.307793	1.2623476	1.7099481	1.4144155	1.9159359		1.575661775	0.65595789	0.29324929
hsa-miR-106b-4373155	26.723612	26.804174	0.9551061	1.0816685	1.208491	1.3686296		1.15347381	0.20598525	0.17684705
hsa-miR-107-4373154	33.04083	35.516457	2.7993505	0.6027172	4.31228	0.9284602		2.160701975	1.1115001	1.73040422
hsa-miR-122-4395356	Undetermined	35.726494		87.79942		69.747345		78.7733825	6.29963632	12.7647446
hsa-miR-124-4373295	38.259365	33.17783	0.023953	0.9712871	0.0221076	0.8964581		0.478451437	-1.0635556	0.52676217
hsa-miR-125a-3p-4395310	33.927654	Undetermined	1.1265693		0.9963781			1.0614737	0.08606863	0.09205908
hsa-miR-125a-5p-4395309	26.069288	26.114286	1.4607497	1.6956035	1.6043911	1.862339		1.655770825	0.727503	0.16825592
hsa-miR-125b-4373148	23.962456	23.768751	2.1859314	2.9939306	2.058209	2.8189971		2.514267025	1.33013788	0.46142199
hsa-miR-126-4395339	31.178305	31.523672	1.1620444	1.0953447	1.9431483	1.831614		1.50803785	0.59267264	0.44122924
hsa-miR-127-3p-4373147	Undetermined	Undetermined								
hsa-miR-127-5p-4395340	Undetermined	Undetermined								
hsa-miR-128-4395327	31.053328	30.571085	2.1134686	3.5355687	2.1192522	3.5452437		2.8283833	1.49997765	0.8221861
hsa-miR-129-3p-4373297	Undetermined	Undetermined								
hsa-miR-129-5p-4373171	Undetermined	Undetermined								
hsa-miR-130a-4373145	29.474493	29.109125	3.1505828	4.8603983	2.8584197	4.409679		3.81976995	1.93348575	0.96659295
hsa-miR-130b-4373144	28.71392	28.37896	2.2573993	3.4098554	2.29714	3.4698842		2.858569725	1.51529348	0.67187065
hsa-miR-132-4373143	29.24097	28.468092	2.6139739	5.348786	3.68728	7.545014		4.798763475	2.26266271	2.1488481
hsa-miR-133a-4395357	34.282692	38.446693	3.4866505	0.2329235	14.500917	0.9687248		4.797303955	2.26222385	6.61738885
hsa-miR-133b-4395358	39.151684	35.88062	0.7006449	8.099922	5.4218583	62.6803		19.2256813	4.26496282	29.1307908
hsa-miR-134-4373299	34.26648	35.501495	2.4307582	1.2366862	4.1678224	2.1204445		2.488927825	1.3155244	1.22827247
hsa-miR-135a-4373140	34.425743	35.898815	2.6252174	1.1324544	3.9706156	1.712826		2.36027835	1.23895701	1.23694852
hsa-miR-135b-4395372	28.441559	29.001162	1.286503	1.0453167	1.078902	0.8766356		1.071839313	0.10008864	0.16826402
hsa-miR-136-4373173	37.538685	39.106537	5.9998984	2.4236376	2.218634	0.8962092		2.88459481	1.52836868	2.18439763
hsa-miR-137-4373301	Undetermined	33.23163		1.7445875		3.7693212		2.75695435	1.46307538	1.43170293

hsa-miR-138-4395395	33.08005	32.16341	1.5196316	3.4353328	1.7428101	3.9398582	2.659408175	1.41110522	1.20842238
hsa-miR-139-3p-4395424	Undetermined	Undetermined							
hsa-miR-139-5p-4395400	30.46348	30.118471	2.755969	4.1920543	2.8777351	4.3772707	3.550757275	1.82812674	0.85225848
hsa-miR-140-3p-4395345	31.372242	32.60182	1.2773992	0.6523502	1.2987921	0.6632752	0.972954185	-0.03955622	0.36402613
hsa-miR-140-5p-4373374	27.480062	28.058382	1.3486382	1.0816785	1.4868213	1.1925086	1.27741165	0.35322351	0.17743132
hsa-miR-141-4373137	Undetermined	Undetermined							
hsa-miR-142-3p-4373136	37.73206	Undetermined	0.4815212		0.224996		0.35325856	-1.50120358	0.18139071
hsa-miR-142-5p-4395359	Undetermined	Undetermined							
hsa-miR-143-4395360	Undetermined	Undetermined							
hsa-miR-145-4395389	36.18059	Undetermined	53.51802		42.5144		48.01621	5.58544963	7.78073432
hsa-miR-146a-4373132	24.5172	24.641281	1.8246123	2.0049932	2.0366733	2.2380185	2.026074325	1.0186871	0.16937536
hsa-miR-146b-3p-4395472	38.004612	Undetermined	15.115246		12.007462		13.561354	3.76142932	2.19753514
hsa-miR-146b-5p-4373178	29.47245	29.989544	1.8981825	1.5884427	1.8794925	1.5728024	1.734730025	0.79471115	0.17822591
hsa-miR-147b-4395373	Undetermined	Undetermined							
hsa-miR-148a-4373130	33.01231	33.797363	6.440803	4.4762053	3.6841881	2.5604234	4.29040495	2.10111382	1.63493818
hsa-miR-148b-4373129	31.447853	32.627945	1.4863644	0.7855554	1.471665	0.7777867	1.130342865	0.17676045	0.40266877
hsa-miR-149-4395366	29.459856	29.416746	1.7264818	2.130265	1.8391532	2.2692878	1.99129695	0.99370838	0.25157227
hsa-miR-150-4373127	33.119514	39.760303	7.6007195	0.0912163	203.66112	2.444138	53.44929844	5.74009911	100.19031
hsa-miR-152-4395170	31.686054	32.227505	1.4588025	1.2003217	1.3497047	1.1105547	1.2798459	0.35597011	0.15480022
hsa-miR-153-4373305	Undetermined	Undetermined							
hsa-miR-154-4373270	Undetermined	Undetermined							
hsa-miR-181a-4373117	30.561363	31.09803	1.2140943	1.0022918	1.9726317	1.6285	1.45437945	0.54040372	0.43244405
hsa-miR-181c-4373115	34.476948	34.005188	2.5869257	4.296278	1.7794288	2.9552147	2.9044618	1.53827086	1.04980262
hsa-miR-182-4395445	28.307665	29.163282	1.5169679	1.0039316	1.6695067	1.104882	1.32382205	0.40470921	0.31993116
RNU48-4373383	22.219364	22.410168	1.3767636	1.4444951	1.308473	1.3728448	1.375644125	0.4601073	0.0555623
hsa-miR-183-4395380	30.439169	31.280422	1.7039317	1.1389468	1.8741553	1.252728	1.49244045	0.57767337	0.35254059
hsa-miR-184-4373113	Undetermined	Undetermined							
hsa-miR-185-4395382	30.017004	30.407608	2.7300057	2.493873	2.5328977	2.313814	2.5176476	1.33207636	0.1707258
hsa-miR-186-4395396	25.88681	26.474411	1.1483892	0.9151619	1.0129589	0.8072363	0.970936563	-0.04255106	0.14510217
hsa-miR-187-4373307	Undetermined	Undetermined							
hsa-miR-188-3p-4395217	Undetermined	Undetermined							
hsa-miR-190-4373110	38.053246	Undetermined	0.1203551		0.1890178		0.154686467	-2.69258111	0.04855182
hsa-miR-191-4395410	22.397057	22.569258	1.2280015	1.3051351	1.4773847	1.5701826	1.395175975	0.4804471	0.15646113
hsa-miR-192-4373108	29.320627	29.639097	2.3058283	2.2143803	2.8450994	2.7322643	2.524393075	1.33593657	0.31088126
hsa-miR-193a-3p-4395361	39.1531	34.37047	0.0156902	0.5171766	0.0089739	0.2957947	0.20940885	-2.25560568	0.24487043
hsa-miR-193a-5p-4395392	30.78337	30.555443	2.046026	2.8695784	1.7648059	2.4751632	2.288893375	1.19465026	0.48495491
hsa-miR-193b-4395478	27.377926	27.456806	2.705083	3.067111	3.0806193	3.4929066	3.086429975	1.62593906	0.32200194
hsa-miR-194-4373106	30.726995	30.165733	2.8282475	4.997677	3.2875795	5.8093424	4.2307116	2.08090034	1.40673556
hsa-miR-195-4373105	28.49202	29.08561	1.60899	1.2769071	2.0968838	1.6641034	1.661721075	0.73267824	0.33676631
hsa-miR-196b-4395326	27.777517	27.894686	1.4407434	1.5907786	1.2728484	1.4053993	1.427442425	0.51343256	0.13069154
hsa-miR-197-4373102	29.645716	28.800083	2.623757	5.6464906	2.75148	5.9213595	4.235771775	2.08262486	1.79193074
hsa-miR-198-4395384	Undetermined	Undetermined							
hsa-miR-199a-5p-4373272	Undetermined	Undetermined							
hsa-miR-199a-3p-4395415	Undetermined	33.998238		5.763092		231.09186	118.427476	6.88786002	159.3315
hsa-miR-199b-5p-4373100	Undetermined	Undetermined							
hsa-miR-200a-4378069	30.101562	30.024706	0.6220447	0.7856914	0.6250942	0.7895432	0.705593373	-0.50309108	0.0947343

hsa-miR-200b-4395362	28.215734	28.40912	0.8859729	0.9278969	0.9720283	1.0180243		0.9509806	-0.07251218	0.0568528
hsa-miR-200c-4395411	33.246796	32.489132	0.9860525	1.9965193	1.0588881	2.1439939		1.546363438	0.62887943	0.6086551
hsa-miR-202-4395474	32.628124	35.00803	14.89239	3.426379	4.33224	0.9967437		5.911938185	2.56363118	6.15036861
hsa-miR-203-4373095	34.81077	34.12496	0.7767822	1.4963806	0.5767109	1.1109666		0.990210075	-0.01419347	0.40304001
hsa-miR-204-4373094	Undetermined	Undetermined								
hsa-miR-205-4373093	Undetermined	Undetermined								
hsa-miR-208b-4395401	37.902927	38.543888	0.2413757	0.18537	12.884315	9.894804		5.801466165	2.53641755	6.56702126
hsa-miR-210-4373089	29.008081	29.0965	0.6786065	0.7643557	0.5171828	0.5825344		0.635669843	-0.65365045	0.10842227
hsa-miR-214-4395417	Undetermined	Undetermined								
hsa-miR-215-4373084	Undetermined	Undetermined								
hsa-miR-216a-4395331	Undetermined	Undetermined								
hsa-miR-216b-4395437	Undetermined	Undetermined								
hsa-miR-217-4395448	Undetermined	Undetermined								
hsa-miR-218-4373081	26.801937	26.529835	1.2948574	1.8725231	1.3932246	2.0147743		1.64384485	0.71707414	0.3533106
hsa-miR-219-5p-4373080	Undetermined	Undetermined								
hsa-miR-221-4373077	25.384018	25.562914	2.9732692	3.145397	3.069622	3.247328		3.10890405	1.63640609	0.11609309
hsa-miR-222-4395387	19.404976	19.474787	1.7143235	1.9560137	1.6677682	1.902895		1.8102501	0.85618903	0.14063322
hsa-miR-223-4395406	35.020756	34.14399	0.8639733	1.8998872	4.6521864	10.230211		4.411564475	2.14129037	4.19557196
hsa-miR-224-4395210	Undetermined	Undetermined								
hsa-miR-296-3p-4395212	Undetermined	Undetermined								
hsa-miR-296-5p-4373066	34.635612	37.0324	25.912216	5.89243	20.915041	4.756074		14.36894025	3.84488176	10.6514017
hsa-miR-299-3p-4373189	Undetermined	38.00744		18.065857		14.35141		16.2086335	4.01869056	2.62651066
hsa-miR-299-5p-4373188	Undetermined	Undetermined								
hsa-miR-301a-4373064	27.152496	27.840952	1.4069889	1.0455364	1.6618147	1.234898		1.3373095	0.41933339	0.26190234
hsa-miR-301b-4395503	29.254768	29.812393	2.0525677	1.6700519	1.6279908	1.324599		1.66880235	0.73881309	0.29856263
hsa-miR-302a-4378070	36.725986	38.42481	4.7960305	1.7692118	29.13103	10.746171		11.61061083	3.53737197	12.2611036
ath-miR159a-4373390	Undetermined	Undetermined								
hsa-miR-302b-4378071	34.657074	Undetermined	6.1260934		122.22514			64.1756167	6.00395335	82.0944231
hsa-miR-302c-4378072	Undetermined	Undetermined								
hsa-miR-320-4395388	25.334057	25.616495	1.4831402	1.4603404	1.4526976	1.4303658		1.456636	0.54264041	0.02177024
hsa-miR-323-3p-4395338	32.816044	35.39835	2.085831	0.4170821	5.2064896	1.0410881		2.1876227	1.12936394	2.12706954
hsa-miR-324-3p-4395272	29.78735	29.676413	1.243537	1.6082307	1.5891705	2.0552287		1.624041725	0.6995887	0.33275218
hsa-miR-324-5p-4373052	29.9429	29.921347	1.7761618	2.159061	1.5225415	1.8507661		1.8271326	0.86958134	0.26211242
hsa-miR-326-4373050	Undetermined	Undetermined								
hsa-miR-328-4373049	31.121264	31.158663	2.8917415	3.3743935	3.4690723	4.0480847		3.445823	1.7848486	0.47447099
hsa-miR-329-4373191	Undetermined	Undetermined								
hsa-miR-330-3p-4373047	33.51341	31.944868	1.7092203	6.0711374	3.1574984	11.21541		5.538316525	2.46944751	4.19696562
hsa-miR-330-5p-4395341	Undetermined	Undetermined								
hsa-miR-331-3p-4373046	24.817278	24.652048	1.4817408	1.9897828	1.7158972	2.3042238		1.87291115	0.90528246	0.35466285
hsa-miR-331-5p-4395344	33.429787	34.088676	2.6037526	1.9749163	5.410974	4.1041613		3.52345105	1.81698917	1.54313235
hsa-miR-335-4373045	30.344078	30.6985	5.8749356	5.5030804	4.281162	4.010185		4.91734075	2.29787833	0.91062868
hsa-miR-337-5p-4395267	Undetermined	37.304844		25.300611		23.355904		24.3282575	4.60456109	1.37511551
hsa-miR-338-3p-4395363	Undetermined	Undetermined								
hsa-miR-339-3p-4395295	29.953838	30.15681	1.3965986	1.4529982	1.0686228	1.1117777		1.257499325	0.33055763	0.19534376
hsa-miR-339-5p-4395368	29.89551	29.974262	3.084652	3.497789	3.207389	3.6369643		3.356698575	1.74704299	0.25479277
hsa-miR-340-4395369	30.609545	30.28635	1.4975027	2.2436414	1.5115206	2.2646437		1.8793271	0.91021619	0.43292235

has-miR-155-4395459	Undetermined	39.15626		8.147576		6.472387	7.3099815	2.86986776	1.1845375
hsa-let-7b-4395446	26.230822	26.41487	2.8056827	2.9575286	2.7058804	2.852325	2.830354175	1.5009826	0.10449634
hsa-miR-342-3p-4395371	26.479849	27.54384	1.8783523	1.075915	1.7434336	0.9986339	1.4240837	0.51003394	0.45113682
hsa-miR-342-5p-4395258	Undetermined	Undetermined							
hsa-miR-345-4395297	26.688837	27.129244	2.2312028	1.9690542	1.6505623	1.4566344	1.826863425	0.86936878	0.34247149
hsa-miR-361-5p-4373035	30.243204	32.333725	3.5438614	0.9964651	4.1467495	1.1659856	2.4632654	1.30057208	1.61619351
hsa-miR-362-3p-4395228	33.387759	32.276024	1.2587087	3.2571225	1.3546736	3.505448	2.3439882	1.22896531	1.20268839
hsa-miR-362-5p-4378092	29.237194	30.262938	4.0487165	2.3813987	4.637467	2.7276933	3.448818875	1.78610236	1.06960576
hsa-miR-363-4378090	Undetermined	Undetermined							
hsa-miR-365-4373194	29.492857	30.41743	2.7975857	1.7650346	2.094717	1.3215852	1.994730625	0.99619393	0.62194817
hsa-miR-367-4373034	33.811832	38.87742	233.58125	8.352931	219.58548	7.8524384	117.3430249	6.87458828	126.269386
hsa-miR-369-3p-4373032	Undetermined	Undetermined							
hsa-miR-369-5p-4373195	Undetermined	Undetermined							
hsa-miR-370-4395386	Undetermined	Undetermined							
hsa-miR-371-3p-4395235	Undetermined	Undetermined							
hsa-miR-372-4373029	Undetermined	Undetermined							
hsa-miR-373-4378073	Undetermined	Undetermined							
hsa-miR-374a-4373028	26.779392	27.027687	1.0579337	1.0666171	1.1819953	1.191697	1.124560775	0.16936163	0.07211711
hsa-miR-374b-4381045	24.939856	26.003654	1.7785645	1.0188929	1.8126531	1.0384213	1.41213295	0.49787592	0.44309014
hsa-miR-375-4373027	Undetermined	Undetermined							
hsa-miR-376a-4373026	32.028877	32.276695	3.794205	3.8266144	3.0819495	3.108275	3.452760975	1.78775046	0.41332882
hsa-miR-376b-4373196	Undetermined	Undetermined							
hsa-miR-377-4373025	Undetermined	Undetermined							
hsa-miR-379-4373349	32.91656	39.926365	19.91875	0.1850952	9.766644	0.0907566	7.490311465	2.90502571	9.44752825
hsa-miR-380-4373022	Undetermined	Undetermined							
hsa-miR-381-4373020	39.853527	36.88498	1.4062562	13.18198	3.333284	31.245575	12.2917738	3.61962122	13.6478091
hsa-miR-382-4373019	33.42839	36.294594	29.878647	4.907294	7.6080484	1.2495521	10.91088538	3.44769627	12.9108376
hsa-miR-383-4373018	Undetermined	Undetermined							
hsa-miR-409-5p-4395442	Undetermined	Undetermined							
hsa-miR-410-4378093	35.090874	36.976406	1.7573066	0.5695607	1.3260542	0.4297875	1.02067725	0.02952674	0.62942691
hsa-miR-411-4381013	33.74507	35.298786	1.649053	0.6726883	0.7767262	0.3168452	0.853828173	-0.22798233	0.56553502
hsa-miR-422a-4395408	27.116333	27.956245	6.654416	4.452105	4.8229203	3.2267516	4.789048225	2.25973896	1.41833773
hsa-miR-423-5p-4395451	33.669666	35.130238	12.031791	5.2353835	6.508314	2.8319573	6.65186145	2.73375812	3.89710685
hsa-miR-424-4373201	31.912935	33.076996	1.82575	0.9757061	2.9837003	1.5945308	1.8449218	0.88355967	0.83972528
hsa-miR-425-4380926	26.740555	27.623568	1.2521617	0.8130952	1.494369	0.9703732	1.132499763	0.17951075	0.30197828
hsa-miR-429-4373203	30.664652	30.884684	0.6267654	0.6444117	0.7132995	0.7333822	0.679464693	-0.55752951	0.05182604
hsa-miR-431-4395173	Undetermined	Undetermined							
hsa-miR-433-4373205	Undetermined	Undetermined							
hsa-miR-449a-4373207	38.479927	33.968468	0.1531627	4.183426	0.0775219	2.1174037	1.632878573	0.70741751	1.94497217
hsa-miR-449b-4381011	37.798904	35.182472	0.2800658	2.0567389	4.858015	35.67615	10.71774241	3.42192914	16.7453137
hsa-miR-450a-4395414	32.74116	36.211945	2.0064714	0.2167292	1.945742	0.2101695	1.09477802	0.13063837	1.01797618
hsa-miR-450b-3p-4395319	Undetermined	Undetermined							
hsa-miR-450b-5p-4395318	Undetermined	33.14913		1.7178686		1.2935818	1.5057252	0.5904585	0.30001607
hsa-miR-451-4373360	Undetermined	Undetermined							
hsa-miR-452-4395440	Undetermined	Undetermined							
hsa-miR-453-4395429	Undetermined	Undetermined							

hsa-miR-454-4395434	25.452139	25.563108	1.2946229	1.4355965	1.2100577	1.341823	1.320525025	0.40111164	0.09410809
hsa-miR-455-3p-4395355	32.96834	32.21177	3.511325	7.1042247	4.5427146	9.190965	6.087307325	2.6058042	2.56178737
hsa-miR-455-5p-4378098	31.496151	31.223326	2.0929923	3.0282414	1.3659154	1.9762719	2.11585525	1.08124093	0.68674704
hsa-miR-483-5p-4395449	34.876774	34.474987	0.4201701	0.6647663	0.4275811	0.6764916	0.547252273	-0.86972205	0.1425756
hsa-miR-484-4381032	24.14905	24.958132	1.9847226	1.3565551	1.988	1.3587911	1.672016175	0.7415888	0.3629781
hsa-miR-485-3p-4378095	34.13458	33.261326	221.00969	484.8201	175.56879	385.1382	316.634195	8.30667326	143.785479
hsa-miR-485-5p-4373212	Undetermined	Undetermined							
hsa-miR-486-3p-4395204	Undetermined	34.13912		22.36884		209.59204	115.98044	6.85773771	132.386794
hsa-miR-486-5p-4378096	34.43968	36.826965	12.204301	2.7935867	18.385235	4.2084136	9.397884075	3.23233597	7.28459105
hsa-miR-487a-4378097	32.096416	33.497303	2.3302715	1.0567973	3.7811277	1.7147723	2.2207422	1.15104192	1.16298077
hsa-miR-487b-4378102	39.877766	35.158	0.0505786	1.5960693	0.0999789	3.154953	1.225394946	0.29324681	1.47279197
hsa-miR-488-4395468	Undetermined	Undetermined							
hsa-miR-489-4395469	32.058712	34.005573	5.3736963	1.6691811	4.546638	1.4122797	3.250448775	1.70063892	2.00562206
hsa-miR-490-3p-4373215	Undetermined	37.126446		4.8995924		4.98559	4.9425912	2.30526759	0.06080949
hsa-miR-491-3p-4395471	Undetermined	Undetermined							
hsa-miR-491-5p-4381053	30.108395	30.964836	2.5018663	1.6547946	1.8112146	1.1979809	1.7914641	0.84113913	0.54035859
hsa-miR-493-4395475	Undetermined	Undetermined							
hsa-miR-494-4395476	27.634888	28.060177	1.1147212	0.994113	1.229909	1.0968379	1.108895275	0.14912312	0.09660679
hsa-miR-495-4381078	33.40739	32.44897	230.60918	536.6408	290.63824	676.33185	433.5550175	8.76007127	209.108813
hsa-miR-496-4386771	Undetermined	Undetermined							
hsa-miR-499-3p-4395538	Undetermined	Undetermined							
hsa-miR-499-5p-4381047	Undetermined	Undetermined							
hsa-miR-500-4395539	29.663132	29.905968	3.0361707	3.0726957	3.4890182	3.530991	3.2822189	1.71467146	0.26400328
hsa-miR-501-3p-4395546	37.554276	Undetermined	20.65285		16.406502		18.529676	4.21176575	3.00262147
hsa-miR-501-5p-4373226	30.59108	30.66073	1.7159822	1.9581237	3.5213852	4.018286	2.803444275	1.48720039	1.13848148
hsa-miR-502-3p-4395194	33.381374	33.93259	2.4870934	2.0326076	2.534147	2.0710626	2.28122765	1.18981042	0.26603896
hsa-miR-502-5p-4373227	34.115795	32.92241	2.2421083	6.140393	4.5202813	12.379556	6.32058465	2.66005801	4.34429374
hsa-miR-503-4373228	34.07551	34.053833	18.82484	22.88499	2.825553	3.4349694	11.9925881	3.58407113	10.3696907
hsa-miR-504-4395195	Undetermined	Undetermined							
hsa-miR-505-4395200	35.406494	34.787083	91.52223	168.37671	19.401306	35.693275	78.74838025	6.29917834	67.261247
hsa-miR-507-4373232	Undetermined	Undetermined							
hsa-miR-508-3p-4373233	33.558647	Undetermined	329.4458		20.345901		174.8958505	7.45035225	218.566635
hsa-miR-508-5p-4395203	Undetermined	Undetermined							
hsa-miR-509-5p-4395346	32.235756	34.217667	30.097097	9.124406	21.236357	6.438134	16.7239985	4.06384791	10.9962714
hsa-miR-510-4395352	Undetermined	Undetermined							
hsa-miR-512-3p-4381034	Undetermined	Undetermined							
hsa-miR-512-5p-4373238	Undetermined	Undetermined							
hsa-miR-513-5p-4395201	Undetermined	Undetermined							
hsa-miR-515-3p-4395480	36.8379	Undetermined	10.197122		3.0331979		6.61515995	2.72577604	5.06565931
hsa-miR-515-5p-4373242	Undetermined	Undetermined							
hsa-miR-516a-5p-4395527	Undetermined	Undetermined							
hsa-miR-516b-4395172	Undetermined	Undetermined							
hsa-miR-517a-4395513	Undetermined	39.40354		0.7848433		5.452877	3.118860135	1.64101886	3.30079831
hsa-miR-517c-4373264	34.238087	35.60625	182.84662	84.82473	127.48878	59.14357	113.575925	6.82751325	54.1033246
hsa-miR-518a-3p-4395508	Undetermined	Undetermined							
hsa-miR-518a-5p-4395507	Undetermined	Undetermined							

hsa-miR-518b-4373246	35.968212	37.639275	0.6470188	0.2433163	1.0316724	0.3879682	0.577493935	-0.7921223	0.34578724
hsa-miR-518c-4395512	Undetermined	Undetermined							
hsa-miR-518d-3p-4373248	Undetermined	Undetermined							
hsa-miR-518d-5p-4395500	Undetermined	Undetermined							
hsa-miR-518e-4395506	38.058426	39.0912	5.640395	3.3014693	6.171625	3.6124122	4.681475375	2.22696327	1.43612738
hsa-miR-518f-4395499	37.42164	36.979816	0.2598124	0.4226256	0.8599518	1.3988465	0.735309058	-0.44357734	0.50979925
hsa-miR-519a-4395526	36.59188	38.414036	0.4738432	0.1604743	0.294024	0.0995758	0.256979326	-1.96027579	0.16582251
hsa-miR-519d-4395514	Undetermined	38.130825		16.585003		13.175029	14.880016	3.89530417	2.41121574
hsa-miR-519e-4395481	35.70595	37.026936	6.885902	3.300649	6.143393	2.944739	4.81867075	2.26863523	1.98698635
hsa-miR-520a-3p-4373268	39.48855	Undetermined	5.403882		4.292812		4.848347	2.27749296	0.78564513
hsa-miR-520a-5p-4378085	Undetermined	Undetermined							
hsa-miR-520d-5p-4395504	Undetermined	Undetermined							
hsa-miR-520g-4373257	39.506824	Undetermined	0.6428426		0.8211227		0.731982625	-0.45011869	0.12606303
hsa-miR-521-4373259	Undetermined	Undetermined							
hsa-miR-522-4395524	34.258686	Undetermined	10.663802		2.1047342		6.3842681	2.67452124	6.05217488
hsa-miR-523-4395497	35.985626	Undetermined	11.453551		7.6737504		9.5636507	3.25756144	2.67272264
hsa-miR-524-5p-4395174	Undetermined	Undetermined							
hsa-miR-525-3p-4395496	Undetermined	Undetermined							
hsa-miR-525-5p-4378088	Undetermined	Undetermined							
hsa-miR-526b-4395493	Undetermined	Undetermined							
hsa-miR-532-3p-4395466	28.538242	28.561275	3.6567636	4.3098035	3.8575408	4.546437	4.092636225	2.03303044	0.40757477
hsa-miR-532-5p-4380928	27.187365	27.433426	2.8626573	2.8906252	2.77393	2.8010314	2.832060975	1.50185233	0.05387624
hsa-miR-539-4378103	31.71182	32.14096	2.2901244	2.0368981	2.7882752	2.4799669	2.39881615	1.26232259	0.31678719
hsa-miR-541-4395312	Undetermined	Undetermined							
hsa-miR-542-3p-4378101	33.88028	33.227947	4.1059823	7.7282763	1.8344119	3.4527285	4.28034975	2.09772868	2.48905406
hsa-miR-542-5p-4395351	35.592907	36.436893	2.0615804	1.3754009	0.444866	0.2967961	1.044660868	0.06303467	0.82917023
hsa-miR-544-4395376	37.74819	Undetermined	18.055326		14.343045		16.1991855	4.01784937	2.62497907
hsa-miR-545-4395378	Undetermined	32.36488		1.9894632		4.3564754	3.1729693	1.66583356	1.67373038
hsa-miR-548a-3p-4380948	Undetermined	Undetermined							
hsa-miR-548a-5p-4395523	Undetermined	Undetermined							
hsa-miR-548b-3p-4380951	Undetermined	Undetermined							
hsa-miR-548b-5p-4395519	Undetermined	35.9704		9.207676		58.898438	34.053057	5.08971241	35.1366748
hsa-miR-548c-3p-4380993	Undetermined	Undetermined							
hsa-miR-548c-5p-4395540	Undetermined	Undetermined							
hsa-miR-548d-3p-4381008	Undetermined	Undetermined							
hsa-miR-548d-5p-4395348	39.593605	Undetermined	2.5093644		0.2089846		1.35917449	0.44273068	1.62661417
hsa-miR-551b-4380945	Undetermined	Undetermined							
hsa-miR-556-3p-4395456	Undetermined	Undetermined							
hsa-miR-556-5p-4395455	Undetermined	Undetermined							
hsa-miR-561-4380938	39.9841	Undetermined	3.8329206		3.0448494		3.438885	1.78194087	0.55725049
hsa-miR-570-4395458	Undetermined	Undetermined							
hsa-miR-574-3p-4395460	26.923754	26.950953	0.9838531	1.1562104	1.0533838	1.2379221	1.10784235	0.1477526	0.1119513
hsa-miR-576-3p-4395462	33.70069	35.82511	3.1945262	0.8773782	3.8422966	1.0552887	2.242372418	1.1650259	1.4987474
hsa-miR-576-5p-4395461	37.417408	Undetermined	22.708122		18.039198		20.37366	4.34863327	3.30142782
hsa-miR-579-4395509	34.03557	33.837357	1.3480606	1.8521307	1.8119833	2.4895246	1.8754248	0.90721742	0.46897015
hsa-miR-582-3p-4395510	Undetermined	36.83839		17.098124		0.8911853	8.99465467	3.16906789	11.4600362

hsa-miR-582-5p-4395175	38.108788	35.32652	0.1495502	1.2320466	0.1036309	0.8537474	0.584743744	-0.77412357	0.55143057
hsa-miR-589-4395520	Undetermined	35.380444		6.575911		88.65405	47.6149805	5.57334364	58.0380087
hsa-miR-590-5p-4395176	27.890242	28.074915	0.9698191	1.0218633	1.0319561	1.0873348	1.027743325	0.03948	0.04816182
hsa-miR-597-4380960	33.96174	38.354652	30.805704	1.7560084	36.06123	2.0555875	17.66963248	4.14320013	18.3289304
hsa-miR-598-4395179	Undetermined	34.259792		242.66785		192.77391	217.72088	7.76633596	35.2803433
hsa-miR-615-3p-4386777	Undetermined	Undetermined							
hsa-miR-615-5p-4395464	Undetermined	Undetermined							
hsa-miR-616-4395525	Undetermined	Undetermined							
hsa-miR-618-4380996	34.394646	37.98017	3.626797	0.3617985	5.8171625	0.5803029	2.59651523	1.37657669	2.61362585
hsa-miR-624-4395541	Undetermined	Undetermined							
hsa-miR-625-4395542	30.279007	30.256248	2.5914786	3.1527743	2.5111268	3.055019	2.827599675	1.49957788	0.32319567
hsa-miR-627-4380967	Undetermined	38.94785		0.2415165		0.4546677	0.34809209	-1.52245906	0.1507207
hsa-miR-628-5p-4395544	31.636217	30.87121	0.6189328	1.2595868	0.9155946	1.8633217	1.164358975	0.21953591	0.53447502
hsa-miR-629-4395547	34.388687	Undetermined	1.5754434		2.1630094		1.8692264	0.90244132	0.4154719
hsa-miR-636-4395199	31.404879	32.332363	7.360344	4.634381	6.871388	4.326514	5.79815675	2.53559434	1.53973598
hsa-miR-642-4380995	34.41571	35.282234	3.3997092	2.2329895	2.3424678	1.5385746	2.378435275	1.25001277	0.76829129
hsa-miR-651-4381007	Undetermined	Undetermined							
hsa-miR-652-4395463	29.427858	29.095078	1.5253198	2.3005528	1.9849575	2.993798	2.201157025	1.13826207	0.61688935
hsa-miR-653-4395403	Undetermined	Undetermined							
hsa-miR-654-3p-4395350	Undetermined	Undetermined							
hsa-miR-654-5p-4381014	Undetermined	Undetermined							
hsa-miR-655-4381015	35.15051	39.446552	9.459375	0.5766587	2.1261165	0.1296115	3.072940408	1.61961979	4.3427192
hsa-miR-660-4380925	28.142769	27.904587	1.5841926	2.237702	1.8150823	2.5638378	2.050203675	1.03576724	0.43643404
hsa-miR-671-3p-4395433	31.259743	31.37537	4.5296826	5.0067334	4.2606597	4.7093782	4.626613475	2.20995658	0.31340013
hsa-miR-672-4395438	Undetermined	Undetermined							
hsa-miR-674-4395193	Undetermined	Undetermined							
hsa-miR-708-4395452	36.928104	37.222126	0.6605629	0.6452071	0.3620064	0.353591	0.50534185	-0.98466843	0.17051804
hsa-miR-744-4395435	28.393875	28.250061	2.4583323	3.2525742	2.460023	3.254811	2.856435125	1.51421576	0.45871485
hsa-miR-758-4395180	36.054535	Undetermined	58.40458		1.312666		29.858623	4.90007573	40.3700795
hsa-miR-871-4395465	Undetermined	Undetermined							
hsa-miR-872-4395375	Undetermined	Undetermined							
hsa-miR-873-4395467	Undetermined	Undetermined							
hsa-miR-874-4395379	Undetermined	Undetermined							
hsa-miR-875-3p-4395315	Undetermined	Undetermined							
hsa-miR-876-3p-4395336	36.631367	34.596546	0.7194828	3.5306642	2.3163772	11.366985	4.4833773	2.16458591	4.73126158
hsa-miR-876-5p-4395316	Undetermined	Undetermined							
hsa-miR-885-3p-4395483	Undetermined	Undetermined							
hsa-miR-885-5p-4395407	32.843777	33.43889	2.6052194	2.0653439	2.3086467	1.8302295	2.202359875	1.13905023	0.33208788
hsa-miR-886-3p-4395305	Undetermined	Undetermined							
hsa-miR-886-5p-4395304	Undetermined	37.911034		19.314318		15.34318	17.328749	4.1150956	2.80801861
hsa-miR-887-4395485	Undetermined	Undetermined							
hsa-miR-888-4395323	31.174767	31.822998	542.122	414.24234	1365.965	1043.7512	841.520135	9.71685398	442.773598
hsa-miR-889-4395313	Undetermined	Undetermined							
hsa-miR-890-4395320	Undetermined	Undetermined							
hsa-miR-891a-4395302	30.25539	30.577686	133.28342	127.65837	446.60233	427.75406	283.824545	8.14885555	177.259525
hsa-miR-891b-4395321	Undetermined	Undetermined							

hsa-miR-892a-4395306	Undetermined	Undetermined							
hsa-miR-147-4373131	Undetermined	Undetermined							
hsa-miR-208-4373091	Undetermined	Undetermined							
hsa-miR-211-4373088	Undetermined	39.899475		4.86742		3.8666499	4.36703495	2.12665408	0.70765132
hsa-miR-212-4373087	34.470146	38.71002	1.2117467	0.0768029	3.1633878	0.2005017	1.163109773	0.21798726	1.42713637
hsa-miR-219-1-3p-4395206	Undetermined	Undetermined							
hsa-miR-219-2-3p-4395501	Undetermined	Undetermined							
hsa-miR-220-4373078	Undetermined	Undetermined							
hsa-miR-220b-4395317	Undetermined	Undetermined							
hsa-miR-220c-4395322	Undetermined	Undetermined							
hsa-miR-298-4395301	Undetermined	Undetermined							
hsa-miR-325-4373051	Undetermined	Undetermined							
hsa-miR-346-4373038	Undetermined	Undetermined							
hsa-miR-376c-4395233	31.431818	32.30245	3.3102083	2.1680224	5.455812	3.5732868	3.626832375	1.85871007	1.3633795
hsa-miR-384-4373017	Undetermined	Undetermined							
hsa-miR-412-4373199	Undetermined	Undetermined							
hsa-miR-448-4373206	Undetermined	Undetermined							
hsa-miR-492-4373217	Undetermined	Undetermined							
hsa-miR-506-4373231	Undetermined	Undetermined							
hsa-miR-509-3-5p-4395266	Undetermined	Undetermined							
hsa-miR-511-4373236	Undetermined	Undetermined							
hsa-miR-517b-4373244	38.93659	Undetermined	7.9225025		1.0514985		4.4870005	2.16575134	4.85853352
hsa-miR-519c-3p-4373251	Undetermined	Undetermined							
hsa-miR-520b-4373252	Undetermined	Undetermined							
hsa-miR-520e-4373255	Undetermined	Undetermined							
hsa-miR-520f-4373256	Undetermined	Undetermined							

Supplementary Table 1B. MiRNA expression in PC3-N cells as compared to PC3-ML.

MiRNA	Trial 1 Ct-PC3-N2	Trial 2 Ct-PC3Nb031009	Average Fold-Change in Expression Na vs MLA	Average Fold-Change in Expression Nb vs MLA	Average Fold-Change in Expression Na vs MLb	Average Fold-Change in Expression Nb vs MLb	Average Fold-Change in Expression	Average Log2 Fold-Change in Expression	Standard Deviation Average Fold-Change in Expression
hsa-let-7a-4373169	26.173048	26.44435	0.36996928	0.38588622	0.461977534	0.481852869	0.424921476	-1.23473183	0.05525043
hsa-let-7c-4373167	32.82364	33.397522	0.2403446	0.20325512	0.197719902	0.167208257	0.20213197	-2.30663057	0.030003325
hsa-let-7d-4395394	27.442701	27.754608	0.33064887	0.33530277	0.254010317	0.257585448	0.294386851	-1.76421486	0.044623066
hsa-let-7e-4395517	23.828163	23.817524	0.40925148	0.51898694	0.241793774	0.306627607	0.36916495	-1.43766251	0.12136432
hsa-let-7f-4373164	29.124897	30.027521	0.9201683	0.61960334	0.538360139	0.362509448	0.610160307	-0.71273976	0.232866442
hsa-let-7g-4395393	24.903885	25.101702	0.6536676	0.7174169	0.649244998	0.712562912	0.683223103	-0.54957134	0.036778977
hsa-mir-1-4395333	Undetermined	37.773346		1.5542115		1.297824225	1.426017862	0.511992053	0.181293181
hsa-mir-9-4373285	25.39565	25.96207	2.0727088	1.7619454	2.518001775	2.140475022	2.123282749	1.086296502	0.310494814
hsa-mir-10a-4373153	26.9811	27.220985	0.40550297	0.43225974	0.4487177	0.478325961	0.441201593	-1.1804901	0.030490758
hsa-mir-10b-4395329	28.603025	28.654266	0.83975875	1.0202179	0.538478258	0.654193804	0.763162178	-0.38993842	0.211582647
MammU6-4395470	17.614498	18.060005	1	1	1	1	1	0	0
MammU6-4395470	17.626438	17.921759	1	1	1	1	1	0	0
hsa-mir-15a-4373123	29.797194	33.044735	6.719567	0.8906312	17.87621009	2.36936424	6.963943132	2.799904422	7.684021578
hsa-mir-15b-4373122	25.268135	25.538233	0.36329207	0.37923798	0.396011986	0.413394099	0.387984034	-1.36593081	0.02157395
hsa-mir-16-4373121	20.979908	21.483763	0.82130724	0.729111	0.659213275	0.585212991	0.698711126	-0.51723198	0.100657615
hsa-mir-17-4395419	21.315912	21.67992	0.49011928	0.4793888	0.453618851	0.443687496	0.466703607	-1.09942148	0.021680714
hsa-mir-18a-4395533	27.548275	28.082415	0.3674807	0.3194522	0.321352366	0.279352764	0.321909508	-1.63527291	0.036028502
hsa-mir-18b-4395328	32.06813	31.642986	0.28714362	0.4853377	0.202795564	0.342770296	0.329511795	-1.60159799	0.118756847
hsa-mir-19a-4373099	23.803787	23.891424	0.63242084	0.7491836	0.628264078	0.744259326	0.688531961	-0.53840447	0.067242933
hsa-mir-19b-4373098	21.590807	21.959288	0.5418362	0.52833295	0.594555627	0.579738539	0.561115829	-0.83362948	0.031152564
hsa-mir-20a-4373286	22.704773	22.950506	0.44794825	0.47557408	0.42013253	0.446042999	0.447424465	-1.16028395	0.022652692
hsa-mir-20b-4373263	28.664425	28.93756	0.39135173	0.40767032	0.879867385	0.916556041	0.648861369	-0.62401782	0.288391258
hsa-mir-21-4373090	23.918365	23.889881	0.53142583	0.6823084	0.467840609	0.600670035	0.570561218	-0.80954641	0.092153994
hsa-mir-22-4373079	31.802324	31.792002	8.923932	11.314277	1.091200341	1.383486916	5.678224064	2.505439779	5.221279106
hsa-mir-23a-4373074	30.850883	31.597591	0.3010846	0.22587638	0.4854148	0.364162431	0.344134553	-1.53895534	0.109847649
hsa-mir-23b-4373073	34.048786	37.487434	10.13275	1.1763985	0.27897911	0.032389096	2.905129176	1.538602314	4.843425519
hsa-mir-24-4373072	20.657722	20.911283	0.6362896	0.6718755	0.621779949	0.656554328	0.646624844	-0.62899916	0.02206261
hsa-mir-25-4373071	27.11041	27.39739	0.42600995	0.43953523	0.296503286	0.305916961	0.366991357	-1.44618201	0.076254962
hsa-mir-26a-4395166	25.796082	25.84307	0.61038536	0.74374294	0.602861289	0.734574846	0.672891109	-0.57155504	0.076672485
hsa-mir-26b-4395167	25.80809	26.052046	0.7939951	0.84400165	0.982920746	1.044826215	0.916435928	-0.12589408	0.117107896
hsa-mir-27a-4373287	26.037977	26.484205	0.3335453	0.3081699	0.324197462	0.299533174	0.316361459	-1.66035424	0.015351223
hsa-mir-27b-4373068	30.257952	30.884396	0.3022478	0.24646097	0.259047578	0.211234443	0.254747698	-1.97285899	0.037580234
hsa-mir-28-3p-4395557	27.015247	27.408514	0.565136	0.54166573	0.54191632	0.51941011	0.54203204	-0.88354996	0.018669871
hsa-mir-28-5p-4373067	28.270527	28.825401	0.656425	0.5624895	0.445171457	0.381466693	0.511388162	-0.96750933	0.122353683
MammU6-4395470	17.634193	17.97171	1	1	1	1	1	0	0
MammU6-4395470	17.728857	17.978802	1	1	1	1	1	0	0

hsa-miR-29a-4395223	20.273293	20.631115	0.7425875	0.7294504	0.714096326	0.701463285	0.721899378	-0.47013033	0.017921475
hsa-miR-29b-4373288	27.059332	27.6344	0.80364877	0.67907405	0.695163866	0.587405631	0.691323079	-0.53256801	0.088657933
hsa-miR-29c-4395171	24.232183	24.764603	1.0302153	0.8966383	1.042547922	0.907371971	0.969193373	-0.04514355	0.077868885
hsa-miR-30b-4373290	24.176754	24.663977	0.54903704	0.4930562	0.584772065	0.525147755	0.538003265	-0.89431317	0.038706449
hsa-miR-30c-4373060	24.58856	24.968082	0.5541051	0.53617674	0.574578136	0.555987364	0.555211835	-0.84888977	0.01569729
hsa-miR-31-4395390	20.877956	21.221287	0.7781698	0.7721204	0.797940291	0.791737231	0.78499193	-0.34925027	0.011907657
hsa-miR-32-4395220	31.649433	32.904194	2.311174	1.2192022	0.897892728	0.473661068	1.225482499	0.293349881	0.785560522
hsa-miR-33b-4395196	36.258987	Undetermined	3.5270696		2.945233467		3.236151533	1.694279164	0.411420275
hsa-miR-34a-4395168	32.11137	35.561256	0.09100722	0.01048383	0.063816487	0.007351519	0.043164764	-4.53400209	0.041093496
hsa-miR-34c-5p-4373036	Undetermined	Undetermined							
hsa-miR-92a-4395169	26.59876	26.92801	0.18496361	0.18532562	0.173645954	0.173985828	0.179480253	-2.47810297	0.006543783
hsa-miR-93-4373302	23.404007	23.863443	0.63966846	0.5856177	0.659427519	0.603707237	0.622105229	-0.68476946	0.033522362
hsa-miR-95-4373011	29.220455	29.983675	0.54135215	0.40150526	0.666137544	0.494054808	0.52576244	-0.92751701	0.110141469
hsa-miR-96-4373372	31.26931	32.143818	0.8771723	0.6022759	0.315941641	0.216928949	0.503079698	-0.99114113	0.298154359
hsa-miR-98-4373009	28.917305	30.002531	0.5914119	0.3508875	0.466288903	0.276651375	0.421309919	-1.24704621	0.137650771
hsa-miR-99a-4373008	21.486584	21.995975	0.51841843	0.4584602	0.573384456	0.507069077	0.514333041	-0.95922526	0.047181563
hsa-miR-99b-4373007	26.69985	27.212196	0.6084211	0.5369528	0.427991426	0.377717308	0.487770659	-1.03572512	0.104340322
hsa-miR-100-4373160	20.699034	21.021147	0.43589124	0.4389104	0.513269486	0.516824619	0.476223936	-1.07028796	0.044869494
hsa-miR-101-4395364	30.167654	30.710722	1.3336847	1.1522247	0.762089319	0.658400118	0.976599709	-0.03416075	0.319175769
hsa-miR-103-4373158	26.864016	27.19341	0.8076131	0.8091125	0.696553466	0.697846675	0.752781435	-0.40969705	0.064184922
hsa-miR-105-4395278	36.450974	Undetermined	0.019026939		0.011405749		0.015216344	-6.03823442	0.005388995
hsa-miR-106a-4395280	21.479494	21.663023	0.4621737	0.51229596	0.453024255	0.50215432	0.482412059	-1.05166212	0.029189259
RNU44-4373384	23.899115	24.395283	0.7921749	0.7070058	0.584813127	0.521938128	0.651482989	-0.61820059	0.121248695
hsa-miR-106b-4373155	24.734802	25.406347	1.047004	0.82747823	0.924497741	0.730657754	0.882409431	-0.18047988	0.135288342
hsa-miR-107-4373154	32.60338	33.558807	0.35722572	0.23189588	1.659153079	1.077052071	0.831331687	-0.26650389	0.665774366
hsa-miR-122-4395356	Undetermined	Undetermined							
hsa-miR-124-4373295	30.953169	31.169579	41.74851	45.23333	1.029561492	1.115501149	22.28172566	4.477789065	24.53158084
hsa-miR-125a-3p-4395310	32.177048	32.331947	0.88765067	1.003635	49.87762965	56.39486892	27.04094606	4.757073722	30.24953626
hsa-miR-125a-5p-4395309	24.693455	25.160843	0.68457997	0.6232894	0.589760498	0.536959171	0.60864726	-0.71632174	0.061849442
hsa-miR-125b-4373148	23.168161	23.413374	0.45747086	0.4858593	0.33400912	0.354736061	0.408018835	-1.29329234	0.074880199
hsa-miR-126-4395339	29.472425	30.546228	0.86055225	0.51462877	0.912954585	0.545966373	0.708525494	-0.49710833	0.20730396
hsa-miR-127-3p-4373147	Undetermined	Undetermined							
hsa-miR-127-5p-4395340	Undetermined	Undetermined							
hsa-miR-128-4395327	30.210398	30.54641	0.47315583	0.47186458	0.28283979	0.282068018	0.377482054	-1.40552003	0.109730775
hsa-miR-129-3p-4373297	Undetermined	Undetermined							
hsa-miR-129-5p-4373171	Undetermined	Undetermined							
hsa-miR-130a-4373145	29.20757	29.399239	0.31740162	0.34984365	0.20574439	0.22677382	0.27494087	-1.86280672	0.069573844
hsa-miR-130b-4373144	27.96604	28.323288	0.44298765	0.43532398	0.29326758	0.288194059	0.364943317	-1.45425569	0.085775318
hsa-miR-132-4373143	28.704672	29.533056	0.38255927	0.27120262	0.186958245	0.13253782	0.243314489	-2.03910586	0.108956189
hsa-miR-133a-4395357	34.16199	36.550293	0.28680822	0.06896115	4.293255402	1.032284761	1.420327383	0.506223507	1.959196167
hsa-miR-133b-4395358	36.715897	Undetermined	1.4272565	0.123457895			0.775357197	-0.367067	0.921924835
hsa-miR-134-4373299	33.625343	34.735302	0.41139427	0.23993346	0.80861283	0.471599142	0.482884926	-1.05024867	0.238301186
hsa-miR-135a-4373140	33.895638	34.824635	0.3809208	0.2518501	0.883037738	0.583830303	0.524909735	-0.92985874	0.27508881
hsa-miR-135b-4395372	26.882471	26.960651	0.77730095	0.92686826	0.956647943	1.140724971	0.950385531	-0.07341522	0.149197469

hsa-miR-136-4373173	38.20108	37.097885	0.16666949	0.45072782	0.412603224	1.115811248	0.536452946	-0.89847646	0.406236137
hsa-mir-137-4373301	31.851883	33.295372	74.831535	34.63493	0.573201385	0.265299801	27.57624155	4.785353936	35.39274671
hsa-mir-138-4395395	31.76123	32.290997	0.65805423	0.57378596	0.291092586	0.25381619	0.444187241	-1.17076014	0.20183659
hsa-mir-139-3p-4395424	Undetermined	Undetermined							
hsa-mir-139-5p-4395400	30.003498	30.397943	0.3628488	0.3474955	0.23854643	0.228452795	0.294335881	-1.76446467	0.070647031
hsa-mir-140-3p-4395345	29.802908	30.158941	0.7828406	0.76994616	1.532918504	1.507669284	1.148343637	0.199554427	0.429647092
hsa-mir-140-5p-4373374	25.989023	26.461823	0.74148875	0.6725758	0.924488962	0.838568184	0.794280424	-0.33227965	0.110324741
hsa-mir-141-4373137	Undetermined	37.722206		1.6102923		1.344653074	1.477472687	0.563131461	0.187835298
hsa-mir-142-3p-4373136	34.755188	33.98956	2.076752	4.4445243	8.352349025	17.87513212	8.187189361	3.033368264	6.957693561
hsa-mir-142-5p-4395359	Undetermined	Undetermined							
hsa-mir-143-4395360	Undetermined	Undetermined							
hsa-mir-145-4395389	Undetermined	Undetermined							
hsa-mir-146a-4373132	23.462248	23.952944	0.5480616	0.49099675	0.498754824	0.44682385	0.496159256	-1.01112483	0.041477801
hsa-mir-146b-3p-4395472	Undetermined	Undetermined							
hsa-mir-146b-5p-4373178	28.474527	28.792322	0.5268197	0.53205854	0.629547439	0.635807527	0.581058301	-0.78324517	0.059697785
hsa-mir-147b-4395373	Undetermined	Undetermined							
hsa-mir-148a-4373130	33.777008	33.303185	0.15526015	0.27143022	0.223403702	0.390560513	0.260163646	-1.94250871	0.099140163
hsa-mir-148b-4373129	30.097097	30.414831	0.67278254	0.6795024	1.27298463	1.285699065	0.977742159	-0.03247403	0.348306807
hsa-mir-149-4395366	28.325148	28.748426	0.5792126	0.5437285	0.469425136	0.440666766	0.50825825	-0.97636637	0.064211312
hsa-mir-150-4373127	34.123108	39.19907	0.1315665	0.004910118	10.962964	0.409142128	2.877145687	1.524638275	5.393188346
hsa-mir-152-4395170	30.308296	30.528227	0.68549377	0.7409028	0.833110058	0.900451202	0.789989457	-0.34009469	0.095551089
hsa-mir-153-4373305	32.910862	Undetermined	35.91701		29.99202441		32.95451721	5.04240433	4.189597486
hsa-mir-154-4373270	Undetermined	Undetermined							
hsa-mir-181a-4373117	28.918701	29.951014	0.82365924	0.506937	0.997713154	0.614061901	0.735592824	-0.44302069	0.218720531
hsa-mir-181c-4373115	33.925644	33.71789	0.38655922	0.5619781	0.232759507	0.338384877	0.379920426	-1.39623082	0.137320317
hsa-mir-182-4395445	26.986313	27.456615	0.6592097	0.59897935	0.996083782	0.905074214	0.789836762	-0.34037358	0.190881713
RNU48-4373383	20.758102	21.016777	0.7263411	0.7642496	0.692283419	0.728414426	0.727822136	-0.45834216	0.029396739
hsa-mir-183-4395380	29.285494	29.754936	0.586878	0.53357375	0.878003746	0.79825744	0.699178234	-0.51626782	0.165157945
hsa-mir-184-4373113	Undetermined	34.15794		19.04828		15.90602017	17.47715008	4.127398045	2.221913237
hsa-mir-185-4395382	29.543365	29.767323	0.36629957	0.39480472	0.400982728	0.432186826	0.398568461	-1.32710054	0.02702758
hsa-mir-186-4395396	24.16388	24.314915	0.87078494	0.9872069	1.092702981	1.238794858	1.04737242	0.06677452	0.156525224
hsa-mir-187-4373307	Undetermined	38.85645		0.7336072		0.612589269	0.673098235	-0.57111102	0.0855726
hsa-mir-188-3p-4395217	Undetermined	Undetermined							
hsa-mir-190-4373110	33.076073	34.05937	8.3087435	5.290508	26.74682981	17.03077285	14.34421354	3.842396965	9.651234358
hsa-mir-191-4395410	20.770826	21.36963	0.81433123	0.6768718	0.766204179	0.636868623	0.723568958	-0.46679758	0.081144161
hsa-mir-192-4373108	28.603369	29.238636	0.43368363	0.35148156	0.451593461	0.365996688	0.400688835	-1.31944579	0.049345173
hsa-mir-193a-3p-4395361	31.236567	30.762577	63.733982	111.43446	1.933576039	3.380722265	45.12068508	5.495717068	52.76148358
hsa-mir-193a-5p-4395392	29.89365	30.012405	0.48875234	0.56663454	0.348483197	0.404013666	0.451970936	-1.14569809	0.09576051
hsa-mir-193b-4395478	26.891056	27.410675	0.36967444	0.32461005	0.326039689	0.286294429	0.326654652	-1.61416191	0.03407936
hsa-mir-194-4373106	30.304361	30.85355	0.35357583	0.30417517	0.200093055	0.172136507	0.25749514	-1.95738289	0.085618572
hsa-mir-195-4373105	27.255632	27.969795	0.62150794	0.47689816	0.783142637	0.60092423	0.620618242	-0.68822199	0.125775311
hsa-mir-196b-4395326	26.381788	26.535107	0.6940861	0.7856395	0.628623016	0.711541595	0.704972553	-0.50436101	0.064544753
hsa-mir-197-4373102	29.114807	29.515453	0.3811329	0.36344075	0.17710109	0.168880072	0.272638703	-1.87493772	0.115339053
hsa-mir-198-4395384	Undetermined	Undetermined							

hsa-miR-199a-5p-4373272	Undetermined	Undetermined								
hsa-mir-199a-3p-4395415	34.34245	Undetermined	13.315256		0.173517972		6.744386986	2.753687319	9.292612076	
hsa-mir-199b-5p-4373100	Undetermined	Undetermined								
hsa-mir-200a-4378069	27.49411	27.833237	1.6076015	1.599759	1.272764057	1.266555239	1.436669949	0.522728665	0.192890115	
hsa-mir-200b-4395362	26.118526	26.584333	1.1287026	1.0287766	1.077706252	0.982294822	1.054370069	0.076381321	0.063033773	
hsa-mir-200c-4395411	31.30399	31.738874	1.0141448	0.9443869	0.500871698	0.466419173	0.731455643	-0.45115772	0.287904015	
hsa-mir-202-4395474	34.602085	33.152767	0.06714839	0.23082745	0.291853242	1.003266581	0.398273916	-1.3281671	0.414336384	
hsa-mir-203-4373095	32.523808	32.426216	1.2873622	1.733971	0.668279257	0.900116723	1.147432295	0.198409029	0.467033424	
hsa-mir-204-4373094	Undetermined	Undetermined								
hsa-mir-205-4373093	Undetermined	Undetermined								
hsa-mir-208b-4395401	33.929737	Undetermined	4.1429195		5.394614993		4.768767246	2.25361637	0.885082371	
hsa-mir-210-4373089	26.526186	26.466356	1.4736081	1.9335524	1.308291479	1.716637001	1.608022245	0.685287365	0.274270391	
hsa-mir-214-4395417	36.03157	Undetermined	4.1292706		3.448093749		3.788682175	1.92169612	0.48166477	
hsa-mir-215-4373084	35.88897	36.70325	4.558275	3.2631783	3.806328297	2.724874906	3.588164126	1.843245882	0.783069767	
hsa-mir-216a-4395331	Undetermined	Undetermined								
hsa-mir-216b-4395437	Undetermined	Undetermined								
hsa-mir-217-4395448	Undetermined	35.761574		6.2677817		5.233829764	5.750805732	2.523764103	0.731114425	
hsa-mir-218-4373081	25.252188	25.689894	0.7722858	0.7177594	0.534038775	0.496333487	0.630104365	-0.66633729	0.135427977	
hsa-mir-219-5p-4373080	Undetermined	Undetermined								
hsa-mir-221-4373077	25.033525	25.411608	0.33633012	0.325773	0.317924852	0.307945446	0.321993355	-1.63489718	0.012023934	
hsa-mir-222-4395387	18.260073	18.552423	0.5833205	0.59960365	0.511243858	0.525515077	0.554920771	-0.84964629	0.043110215	
hsa-mir-223-4395406	32.88727	35.648193	1.1574432	0.2149527	0.526346952	0.097749694	0.499123137	-1.00253231	0.474685833	
hsa-mir-224-4395210	Undetermined	Undetermined								
hsa-mir-296-3p-4395212	Undetermined	Undetermined								
hsa-mir-296-5p-4373066	37.40863	37.43161	0.038591836	0.04781248	0.169709238	0.21025733	0.116592721	-3.10045037	0.086427779	
hsa-mir-299-3p-4373189	Undetermined	Undetermined								
hsa-mir-299-5p-4373188	Undetermined	Undetermined								
hsa-mir-301a-4373064	25.722565	26.294785	0.71073765	0.6017518	0.956446383	0.809783414	0.769679812	-0.37766969	0.150736024	
hsa-mir-301b-4395503	28.369656	28.36739	0.48719466	0.61425406	0.598783968	0.75494555	0.61379456	-0.70417224	0.109812971	
hsa-mir-302a-4378070	37.065285	Undetermined	0.20850576		0.565222969		0.386864365	-1.37010025	0.252237158	
ath-miR159a-4373390	Undetermined	Undetermined								
hsa-mir-302b-4378071	35.3495	Undetermined	0.16323617		5.532263986		2.847750078	1.509822539	3.796475977	
hsa-mir-302c-4378072	Undetermined	39.772854		0.3886854		0.324566724	0.356626062	-1.48751596	0.045338751	
hsa-mir-320-4395388	23.98017	24.28232	0.67424506	0.6883745	0.684771897	0.699121835	0.686628323	-0.54239873	0.010262042	
hsa-mir-323-3p-4395338	31.954123	33.605885	0.47942525	0.19206798	2.39760999	0.960533609	1.007409207	0.010649822	0.97952436	
hsa-mir-324-3p-4395272	28.179256	28.865152	0.8041579	0.6292591	0.621801499	0.486563836	0.635445584	-0.65415951	0.130197356	
hsa-mir-324-5p-4373052	28.84912	28.95891	0.56301177	0.6567966	0.463164312	0.54031682	0.555822376	-0.84730418	0.079735856	
hsa-mir-326-4373050	Undetermined	Undetermined								
hsa-mir-328-4373049	30.730661	31.325344	0.34581238	0.2882615	0.296349597	0.247030315	0.294363448	-1.76432956	0.040532278	
hsa-mir-329-4373191	Undetermined	Undetermined								
hsa-mir-330-3p-4373047	32.364204	33.58172	0.5850621	0.31670642	0.164713762	0.089163002	0.288911321	-1.79130136	0.218938558	
hsa-mir-330-5p-4395341	33.323532	36.079136	26.981998	5.0294228	22.53096187	4.19975451	14.6855343	3.87632385	11.7749143	
hsa-mir-331-3p-4373046	23.462029	24.00577	0.6748818	0.5827855	0.502567436	0.433985606	0.548555086	-0.86629159	0.103876833	
hsa-mir-331-5p-4395344	32.887836	34.275204	0.38406107	0.18480961	0.506350752	0.243655214	0.329719162	-1.60069036	0.144403997	

hsa-miR-335-4373045	30.976109	30.851608	0.17021462	0.23358144	0.181716459	0.249365019	0.208719384	-2.2603635	0.038652142
hsa-mir-337-5p-4395267	39.783314	Undetermined	0.30653924		0.039524719		0.173031979	-2.5308894	0.188807779
hsa-mir-338-3p-4395363	Undetermined	Undetermined							
hsa-mir-339-3p-4395295	28.513212	28.45912	0.71602535	0.93578386	0.688232058	0.899460605	0.809875468	-0.30422801	0.125808563
hsa-mir-339-5p-4395368	29.598074	29.986439	0.32418567	0.31178007	0.285894942	0.274954728	0.299203852	-1.74079934	0.022711228
hsa-mir-340-4395369	29.269562	29.615074	0.66777843	0.6615854	0.445704058	0.441570592	0.55415962	-0.85162651	0.127656349
has-mir-155-4395459	Undetermined	Undetermined							
hsa-let-7b-4395446	25.79663	26.076448	0.3564195	0.3695655	0.33812008	0.350591178	0.353674064	-1.49950767	0.013057639
hsa-mir-342-3p-4395371	25.466774	25.691309	0.5323815	0.5735808	0.929441327	1.00136796	0.759192897	-0.3974616	0.240505405
hsa-mir-342-5p-4395258	37.163296	Undetermined	1.8844737		1.573604513		1.729039106	0.789970499	0.21981771
hsa-mir-345-4395297	25.924116	25.821323	0.44818875	0.60585415	0.507857974	0.686513978	0.562103713	-0.83109175	0.105374307
hsa-mir-361-5p-4373035	30.145985	30.704716	0.28217807	0.24115273	1.003547219	0.857643508	0.596130382	-0.74630019	0.391132024
hsa-mir-362-3p-4395228	31.796991	32.23506	0.794465	0.73818517	0.307019459	0.285270209	0.531234959	-0.912578	0.272573961
hsa-mir-362-5p-4378092	29.332117	29.86006	0.24699186	0.21563497	0.419921337	0.366610243	0.312289602	-1.67904356	0.096852526
hsa-mir-363-4378090	Undetermined	Undetermined							
hsa-mir-365-4373194	29.054497	28.969141	0.35745105	0.47739148	0.566560921	0.756666773	0.539517556	-0.89025819	0.168219091
hsa-mir-367-4373034	39.757072	Undetermined	0.004281166		0.119718416		0.061999791	-4.01159284	0.081626463
hsa-mir-369-3p-4373032	Undetermined	Undetermined							
hsa-mir-369-5p-4373195	Undetermined	Undetermined							
hsa-mir-370-4395386	Undetermined	Undetermined							
hsa-mir-371-3p-4395235	Undetermined	Undetermined							
hsa-mir-372-4373029	35.23175	Undetermined	7.1885805		6.002730925		6.595655713	2.721516093	0.838522276
hsa-mir-373-4378073	Undetermined	Undetermined							
hsa-mir-374a-4373028	24.938099	25.430145	0.9452388	0.8460271	0.937543607	0.8391394	0.891987227	-0.16490504	0.057202389
hsa-mir-374b-4381045	23.848026	24.207487	0.5622512	0.5516776	0.981457703	0.963000465	0.764596742	-0.38722904	0.239910395
hsa-mir-375-4373027	34.291756	31.492714	13.791446	120.82824	11.51636089	100.896058	61.75802623	5.94855474	57.2890142
hsa-mir-376a-4373026	32.030132	32.06225	0.26355982	0.32446995	0.261327707	0.321721889	0.292769842	-1.77216115	0.035047354
hsa-mir-376b-4373196	Undetermined	Undetermined							
hsa-mir-377-4373025	Undetermined	Undetermined							
hsa-mir-379-4373349	35.310074	34.613953	0.05020395	0.10238933	5.402622952	11.01847761	4.143423461	2.050823272	5.226099749
hsa-mir-380-4373022	Undetermined	Undetermined							
hsa-mir-381-4373020	38.422844	Undetermined	0.71110797		0.075861147		0.393484559	-1.34562107	0.449187336
hsa-mir-382-4373019	36.40689	34.765446	0.033468716	0.13143975	0.203778253	0.80028679	0.292243377	-1.77475776	0.345811278
hsa-mir-383-4373018	Undetermined	Undetermined							
hsa-mir-409-5p-4395442	Undetermined	Undetermined							
hsa-mir-410-4378093	33.981697	33.907543	0.56905264	0.75411695	1.755738517	2.326730312	1.351409605	0.434465014	0.833381323
hsa-mir-411-4381013	32.544167	31.790077	0.60640866	1.287455	1.48657268	3.156113307	1.634137412	0.708529302	1.082374097
hsa-mir-422a-4395408	27.928102	27.795769	0.15027615	0.20734325	0.224612948	0.30990931	0.223035414	-2.16465529	0.066054818
hsa-mir-423-5p-4395451	35.335903	34.78148	0.08311315	0.15364963	0.191008004	0.353112794	0.195220895	-2.35682062	0.114373535
hsa-mir-424-4373201	30.858883	31.899567	0.5477201	0.3351543	1.024898471	0.627143719	0.633729147	-0.65806172	0.288444855
hsa-mir-425-4380926	25.142433	25.72962	0.79861885	0.6691788	1.229868442	1.030531426	0.932049379	-0.1015217	0.248528707
hsa-mir-429-4373203	28.068108	28.586761	1.5954934	1.4019356	1.551803624	1.363545649	1.478194568	0.563836178	0.112749152
hsa-mir-431-4395173	Undetermined	Undetermined							
hsa-mir-433-4373205	34.729305	Undetermined	10.183434		8.503542616		9.343488308	3.223961268	1.187862589

hsa-miR-449a-4373207	33.85052	33.200203	6.529006	12.899577	0.239038516	0.472276613	5.034974532	2.331984481	5.997313748
hsa-mir-449b-4381011	34.0402	38.4888	3.5705903	0.2058454	0.486206808	0.028029931	1.07266811	0.101203766	1.675927869
hsa-mir-450a-4395414	31.823278	32.11101	0.49838737	0.5139427	4.614054357	4.758065064	2.596112373	1.376352832	2.413987712
hsa-mir-450b-3p-4395319	Undetermined	Undetermined							
hsa-mir-450b-5p-4395318	31.74712	31.669943	80.46768	106.86057	0.582116574	0.773047517	47.17085352	5.559823801	54.75645386
hsa-mir-451-4373360	Undetermined	Undetermined							
hsa-mir-452-4395440	Undetermined	Undetermined							
hsa-mir-453-4395429	Undetermined	Undetermined							
hsa-mir-454-4395434	23.902128	24.136744	0.7724257	0.82640684	0.696574565	0.745254817	0.76016548	-0.39561458	0.054173681
hsa-mir-455-3p-4395355	32.857815	33.561424	0.28479278	0.2201327	0.140761237	0.108802454	0.188622293	-2.4064279	0.079380005
hsa-mir-455-5p-4378098	30.639175	30.355549	0.47778484	0.7321097	0.330224714	0.506003406	0.511530665	-0.96710737	0.166028401
hsa-mir-483-5p-4395449	31.703276	32.060574	2.3799884	2.3387375	1.504288207	1.478214879	1.925307246	0.945088694	0.501600154
hsa-mir-484-4381032	23.215445	23.549896	0.50384873	0.50301814	0.737163529	0.735948134	0.619994633	-0.68967237	0.13459462
hsa-mir-485-3p-4378095	Undetermined	Undetermined							
hsa-mir-485-5p-4373212	Undetermined	Undetermined							
hsa-mir-486-3p-4395204	36.439907	Undetermined	3.1113708		0.044705031		1.578037915	0.658131869	2.168460161
hsa-mir-486-5p-4378096	36.126453	37.049683	0.08193833	0.054391474	0.357962906	0.237619312	0.182978006	-2.45025785	0.141831943
hsa-mir-487a-4378097	31.394373	32.424763	0.42913455	0.26447135	0.94625505	0.583167813	0.555757191	-0.84747338	0.291044472
hsa-mir-487b-4378102	33.649895	34.96506	19.771198	10.002115	0.626538904	0.316961826	7.679203432	2.940956667	9.229570759
hsa-mir-488-4395468	Undetermined	Undetermined							
hsa-mir-489-4395469	32.562084	32.65304	0.18609165	0.21994273	0.599096371	0.708075449	0.42830155	-1.2233012	0.264274692
hsa-mir-490-3p-4373215	37.236477	37.59365	1.7912672	1.7603691	0.204098573	0.2005781	0.989078243	-0.01584344	0.908537702
hsa-mir-491-3p-4395471	Undetermined	Undetermined							
hsa-mir-491-5p-4381053	29.508856	29.374882	0.3997016	0.55211574	0.604304253	0.834737795	0.597714847	-0.74247072	0.180288494
hsa-mir-493-4395475	35.130905	Undetermined	7.709046		6.437337013		7.073191506	2.822361323	0.899234049
hsa-mir-494-4395476	25.869028	26.342968	0.89708525	0.8130683	1.005921692	0.91171164	0.906946721	-0.14091029	0.079012986
hsa-mir-495-4381078	39.334152	Undetermined	0.004336341		0.001863444		0.003099892	-8.33356615	0.001748602
hsa-mir-496-4386771	36.778545	Undetermined	2.4604328		2.054552221		2.25749251	1.174721201	0.28700091
hsa-mir-499-3p-4395538	Undetermined	Undetermined							
hsa-mir-499-5p-4381047	Undetermined	Undetermined							
hsa-mir-500-4395539	29.342842	29.87548	0.32936224	0.28661358	0.325447108	0.283206641	0.306157392	-1.70765458	0.024625567
hsa-mir-501-3p-4395546	Undetermined	Undetermined							
hsa-mir-501-5p-4373226	29.447573	30.816751	0.58275664	0.28397915	0.510692933	0.248862369	0.406572773	-1.29841449	0.16510959
hsa-mir-502-3p-4395194	32.773293	33.132404	0.40207577	0.39461008	0.491979122	0.482843981	0.442877238	-1.17502124	0.051648859
hsa-mir-502-5p-4373227	33.35811	34.701736	0.4460088	0.22122517	0.162856025	0.080778323	0.227717079	-2.13468559	0.156515574
hsa-mir-503-4373228	36.38753	33.98357	0.0531213	0.353913	0.043696756	0.291123257	0.185463578	-2.4307922	0.160365713
hsa-mir-504-4395195	Undetermined	Undetermined							
hsa-mir-505-4395200	Undetermined	38.094105		0.05154292		0.028016489	0.039779705	-4.65182362	0.016635699
hsa-mir-507-4373232	Undetermined	Undetermined							
hsa-mir-508-3p-4373233	Undetermined	36.314842		0.049149945		3.56672009	1.807935017	0.854342824	2.487297703
hsa-mir-508-5p-4395203	Undetermined	Undetermined							
hsa-mir-509-5p-4395346	35.224766	35.05375	0.033225797	0.047089055	0.109596148	0.155324574	0.086308893	-3.53434696	0.056749365
hsa-mir-510-4395352	Undetermined	Undetermined							
hsa-mir-512-3p-4381034	Undetermined	Undetermined							

hsa-miR-512-5p-4373238	Undetermined	Undetermined								
hsa-mir-513-5p-4395201	Undetermined	Undetermined								
hsa-mir-515-3p-4395480	38.265446	36.848267	0.098066896	0.32968506	0.733019255	2.464293341	0.906266138	-0.14199331	1.071306835	
hsa-mir-515-5p-4373242	Undetermined	Undetermined								
hsa-mir-516a-5p-4395527	Undetermined	Undetermined								
hsa-mir-516b-4395172	Undetermined	Undetermined								
hsa-mir-517a-4395513	36.871387	Undetermined	2.3070831		1.274140171		1.790611635	0.840452466	0.73040095	
hsa-mir-517c-4373264	39.830032	39.64184	0.005469065	0.007843828	0.011789015	0.016908014	0.01050248	-6.5731261	0.00500299	
hsa-mir-518a-3p-4395508	Undetermined	Undetermined								
hsa-mir-518a-5p-4395507	Undetermined	Undetermined								
hsa-mir-518b-4373246	33.41755	34.422726	1.5455501	0.96930003	4.10987638	2.577531395	2.300564476	1.20198789	1.377513699	
hsa-mir-518c-4395512	Undetermined	Undetermined								
hsa-mir-518d-3p-4373248	Undetermined	Undetermined								
hsa-mir-518d-5p-4395500	Undetermined	Undetermined								
hsa-mir-518e-4395506	38.63168	39.093605	0.17729254	0.16203187	0.30289549	0.276823246	0.229760786	-2.1217955	0.070483291	
hsa-mir-518f-4395499	33.554638	35.613495	3.8489316	1.1628559	2.366160603	0.714875047	2.023205788	1.016643069	1.402714512	
hsa-mir-519a-4395526	33.59182	33.235416	2.1104028	3.4010828	6.231523844	10.04260054	5.446402497	2.445303603	3.514431137	
hsa-mir-519d-4395514	Undetermined	Undetermined								
hsa-mir-519e-4395481	36.567055	36.734516	0.14522426	0.1627765	0.302970661	0.339588616	0.237640009	-2.07315035	0.097991204	
hsa-mir-520a-3p-4373268	Undetermined	Undetermined								
hsa-mir-520a-5p-4378085	Undetermined	Undetermined								
hsa-mir-520d-5p-4395504	Undetermined	Undetermined								
hsa-mir-520g-4373257	36.94682	37.632023	1.5555909	1.2178448	1.828359795	1.431391185	1.50829667	0.592920223	0.254920831	
hsa-mir-521-4373259	Undetermined	Undetermined								
hsa-mir-522-4395524	35.750793	33.74185	0.09377518	0.4751194	4.188913229	21.22346046	6.495317067	2.699399952	9.990999699	
hsa-mir-523-4395497	37.580807	37.335087	0.08730917	0.13031438	1.178181659	1.758510562	0.788578943	-0.34267291	0.820091286	
hsa-mir-524-5p-4395174	Undetermined	Undetermined								
hsa-mir-525-3p-4395496	35.78069	Undetermined	4.9135585		4.103002405		4.508280453	2.172577266	0.573149711	
hsa-mir-525-5p-4378088	Undetermined	Undetermined								
hsa-mir-526b-4395493	Undetermined	Undetermined								
hsa-mir-532-3p-4395466	28.486267	28.895452	0.27346587	0.25923252	0.232029155	0.219952515	0.246170015	-2.02227305	0.024515396	
hsa-mir-532-5p-4380928	26.782177	27.068825	0.34932578	0.36049935	0.345945817	0.357011388	0.353195584	-1.50146079	0.006719124	
hsa-mir-539-4378103	30.984703	31.600721	0.4366575	0.35864466	0.490942511	0.403231151	0.422368955	-1.2434243	0.055777942	
hsa-mir-541-4395312	Undetermined	Undetermined								
hsa-mir-542-3p-4378101	33.995464	33.165127	0.24354708	0.5451338	0.129394975	0.289626095	0.301925488	-1.72773554	0.175571803	
hsa-mir-542-5p-4395351	34.714115	32.833878	0.48506474	2.2478678	0.727060841	3.369316603	1.707327496	0.77173982	1.355143359	
hsa-mir-544-4395376	Undetermined	Undetermined								
hsa-mir-545-4395378	31.17463	32.63748	119.662575	54.64608	0.502648226	0.229543423	43.76021166	5.451547811	56.70334135	
hsa-mir-548a-3p-4380948	Undetermined	Undetermined								
hsa-mir-548a-5p-4395523	Undetermined	Undetermined								
hsa-mir-548b-3p-4380951	Undetermined	Undetermined								
hsa-mir-548b-5p-4395519	36.99061	Undetermined	2.1240964		0.108605043		1.116350721	0.158790347	1.425167606	
hsa-mir-548c-3p-4380993	Undetermined	Undetermined								
hsa-mir-548c-5p-4395540	37.380177	Undetermined	1.6214459		1.353966459		1.487706179	0.573089624	0.189136527	

hsa-miR-548d-3p-4381008	Undetermined	Undetermined									
hsa-miR-548d-5p-4395348	38.998383	35.744602	0.3985073	4.785042	0.441041097	5.295760948	2.730087836	1.448947368	2.675912175		
hsa-miR-551b-4380945	33.389683	34.847683	25.77275	11.809253	21.52119078	9.861164337	17.24108953	4.107779041	7.639298419		
hsa-miR-556-3p-4395456	Undetermined	Undetermined									
hsa-miR-556-5p-4395455	Undetermined	Undetermined									
hsa-miR-561-4380938	Undetermined	Undetermined									
hsa-miR-570-4395458	36.98598	35.832783	2.13092	5.9659257	1.779396476	4.981768562	3.714502685	1.893169069	2.075832247		
hsa-miR-574-3p-4395460	24.977726	25.408314	1.0164119	0.9493215	0.864894459	0.807805403	0.909608315	-0.13668265	0.091918995		
hsa-miR-576-3p-4395462	33.45375	34.05219	0.31303546	0.260261	1.139759947	0.947608471	0.665166219	-0.58821319	0.444581129		
hsa-miR-576-5p-4395461	Undetermined	Undetermined									
hsa-miR-579-4395509	32.54391	33.302666	0.74180645	0.55188143	0.539918666	0.401683192	0.558822435	-0.83953815	0.139739545		
hsa-miR-582-3p-4395510	38.751526	34.82163	0.62673676	12.02446	0.058485954	1.122101359	3.457946018	1.789915347	5.727518563		
hsa-miR-582-5p-4395175	33.444946	33.24784	6.68672	9.649635	0.811657512	1.171306792	4.579829826	2.195293993	4.318914314		
hsa-miR-589-4395520	35.915005	Undetermined	4.4767528		0.152070161		2.31441148	1.210645385	3.058012421		
hsa-miR-590-5p-4395176	25.923487	26.345152	1.0311201	0.9690335	0.978603942	0.919680082	0.974609406	-0.03710395	0.045671787		
hsa-miR-597-4380960	36.98432	37.543644	0.03246152	0.027730614	0.569473652	0.486479191	0.279036244	-1.84147557	0.289447795		
hsa-miR-598-4395179	Undetermined	Undetermined									
hsa-miR-615-3p-4386777	Undetermined	Undetermined									
hsa-miR-615-5p-4395464	Undetermined	36.10032		4.9561157		4.138540283	4.547327991	2.185019067	0.578113122		
hsa-miR-616-4395525	Undetermined	Undetermined									
hsa-miR-618-4380996	34.3308	35.34449	0.2757254	0.17190512	2.763970083	1.723238037	1.23370966	0.303002912	1.241839726		
hsa-miR-624-4395541	Undetermined	Undetermined									
hsa-miR-625-4395542	29.73024	30.01687	0.38588008	0.39822763	0.317180943	0.327330286	0.357154735	-1.48537885	0.04082291		
hsa-miR-627-4380967	34.715412	35.960175	10.281974	5.4617157	4.140505752	2.199409135	5.520901147	2.46490377	3.445243981		
hsa-miR-628-5p-4395544	29.02153	29.918528	1.6156843	1.0921865	0.793910895	0.536675897	1.009614398	0.01380439	0.463442807		
hsa-miR-629-4395547	33.121902	33.911255	0.63474196	0.46231884	25.91053681	18.87212534	11.46993074	3.519784774	12.9343525		
hsa-miR-636-4395199	32.36211	32.59501	0.13586321	0.14553101	0.215778496	0.231132974	0.182076423	-2.45738398	0.048351502		
hsa-miR-642-4380995	34.25858	34.05327	0.2941428	0.4269002	0.447830285	0.649952414	0.454706425	-1.13699271	0.146881064		
hsa-miR-651-4381007	Undetermined	Undetermined									
hsa-miR-652-4395463	28.114428	28.826496	0.6556002	0.5037891	0.434678306	0.334023845	0.482022863	-1.05282652	0.135090189		
hsa-miR-653-4395403	Undetermined	Undetermined									
hsa-miR-654-3p-4395350	Undetermined	Undetermined									
hsa-miR-654-5p-4381014	Undetermined	Undetermined									
hsa-miR-655-4381015	36.46971	34.64826	0.10571522	0.47034112	1.734128732	7.715368157	2.506388307	1.325609944	3.542060387		
hsa-miR-660-4380925	26.883974	27.412333	0.6312364	0.5509392	0.446887005	0.390040273	0.50477572	-0.98628558	0.107453395		
hsa-miR-671-3p-4395433	31.516611	31.76035	0.22076602	0.23470543	0.199730976	0.212342197	0.216886156	-2.20499013	0.014691581		
hsa-miR-672-4395438	39.334484	37.101402	0.41840538	2.4761977	0.349383892	2.067715935	1.327925727	0.409174456	1.103115204		
hsa-miR-674-4395193	Undetermined	Undetermined									
hsa-miR-708-4395452	34.40733	33.87172	1.5138605	2.762382	1.549890186	2.828125221	2.163564477	1.113410115	0.730053606		
hsa-miR-744-4395435	27.769012	28.102076	0.40677986	0.40650028	0.307448783	0.307237453	0.356991594	-1.48603799	0.057329301		
hsa-miR-758-4395180	Undetermined	34.856564		0.7618084		9.800647045	5.281227722	2.400873351	6.3914241		
hsa-miR-871-4395465	Undetermined	Undetermined									
hsa-miR-872-4395375	Undetermined	Undetermined									
hsa-miR-873-4395467	34.221622	Undetermined	14.478447		12.09003906		13.28424303	3.731644116	1.688859453		

hsa-miR-874-4395379	Undetermined	Undetermined								
hsa-miR-875-3p-4395315	Undetermined	Undetermined								
hsa-miR-876-3p-4395336	34.233856	36.252766	1.3898873	0.43170863	0.28323275	0.08797406	0.548200685	-0.86722396	0.578510533	
hsa-miR-876-5p-4395316	Undetermined	Undetermined								
hsa-miR-885-3p-4395483	Undetermined	Undetermined								
hsa-miR-885-5p-4395407	32.30264	32.460354	0.38384482	0.43315417	0.484180875	0.54637978	0.461889911	-1.11437906	0.069647216	
hsa-miR-886-3p-4395305	39.33055	Undetermined	0.41954702		0.350337178		0.384942099	-1.37728664	0.048938749	
hsa-miR-886-5p-4395304	Undetermined	Undetermined								
hsa-miR-887-4395485	Undetermined	Undetermined								
hsa-miR-888-4395323	38.334698	Undetermined	0.001844603		0.002414046		0.002129325	-8.87538832	0.000402657	
hsa-miR-889-4395313	Undetermined	36.776386		3.1018791		2.590182946	2.846031023	1.508951388	0.36182382	
hsa-miR-890-4395320	Undetermined	Undetermined								
hsa-miR-891a-4395302	35.3912	37.467766	0.007502809	0.002239129	0.007833409	0.002337793	0.004978285	-7.65013548	0.003109133	
hsa-miR-891b-4395321	Undetermined	Undetermined								
hsa-miR-892a-4395306	Undetermined	Undetermined								
hsa-miR-147-4373131	Undetermined	Undetermined								
hsa-miR-208-4373091	Undetermined	Undetermined								
hsa-miR-211-4373088	Undetermined	Undetermined								
hsa-miR-212-4373087	32.82469	34.541145	0.825255	0.31611678	13.02033804	4.98748672	4.787299136	2.259211956	5.874018218	
hsa-miR-219-1-3p-4395206	36.533577	36.183647	2.9157772	4.6779666	2.434780978	3.906273598	3.483699594	1.800620223	1.004590892	
hsa-miR-219-2-3p-4395501	Undetermined	Undetermined								
hsa-miR-220-4373078	Undetermined	Undetermined								
hsa-miR-220b-4395317	Undetermined	Undetermined								
hsa-miR-220c-4395322	Undetermined	Undetermined								
hsa-miR-298-4395301	Undetermined	Undetermined								
hsa-miR-325-4373051	Undetermined	Undetermined								
hsa-miR-346-4373038	Undetermined	Undetermined								
hsa-miR-376c-4395233	31.236198	32.289143	0.3020958	0.18329076	0.461250059	0.279854529	0.306622787	-1.70546318	0.115264067	
hsa-miR-384-4373017	Undetermined	Undetermined								
hsa-miR-412-4373199	Undetermined	Undetermined								
hsa-miR-448-4373206	Undetermined	Undetermined								
hsa-miR-492-4373217	Undetermined	Undetermined								
hsa-miR-506-4373231	Undetermined	Undetermined								
hsa-miR-509-3-5p-4395266	Undetermined	Undetermined								
hsa-miR-511-4373236	35.180866	Undetermined	7.446648		6.218221466		6.832434733	2.772399773	0.868628733	
hsa-miR-517b-4373244	Undetermined	37.418564		0.9510237		1.659647668	1.305335684	0.384420862	0.501072813	
hsa-miR-519c-3p-4373251	Undetermined	Undetermined								
hsa-miR-520b-4373252	36.93494	Undetermined	2.2076585		1.843476467		2.025567484	1.018326151	0.257515585	
hsa-miR-520e-4373255	Undetermined	Undetermined								
hsa-miR-520f-4373256	Undetermined	39.244537		0.5605797		0.46810465	0.514342175	-0.95919964	0.065389735	

Supplementary Table 2. Differential miRNA expression in PC3-ML relative to PC3-N cell lines.Complete list of the 47 miRNAs showing \geq 3-fold change in expression.

PC3-ML vs. PC3-N	
Enriched miRNAs	Fold-change
hsa-miR-888	841.5
hsa-miR-495	433.6
hsa-miR-485-3p	316.6
hsa-miR-891a	283.8
hsa-miR-517c	113.6
hsa-miR-505	78.7
hsa-miR-34a	64.5
hsa-miR-509-5p	16.7
hsa-miR-296-5p	14.4
hsa-miR-503	12
hsa-miR-486-5p	9.4
hsa-miR-423-5p	6.7
hsa-miR-502-5p	6.3
hsa-miR-455-3p	6.1
hsa-miR-636	5.8
hsa-miR-92a	5.6
hsa-miR-330-3p	5.5
hsa-let-7c	5.0
hsa-miR-335	4.9
hsa-miR-519e	4.8
hsa-miR-132	4.8
hsa-miR-422a	4.8
hsa-miR-518e	4.7
hsa-miR-671-3p	4.6
hsa-miR-223	4.4
hsa-miR-148a	4.3
hsa-miR-542-3p	4.3
hsa-miR-197	4.2
hsa-miR-194	4.2
hsa-miR-532-3p	4.1
hsa-miR-27b	4
hsa-miR-130a	3.8
hsa-miR-376c	3.6
hsa-miR-139-5p	3.6
hsa-miR-331-5p	3.5
hsa-let-7d	3.5
hsa-miR-376a	3.5
hsa-miR-362-5p	3.4
hsa-miR-328	3.4
hsa-miR-339-5p	3.4
hsa-miR-18b	3.3
hsa-miR-500	3.3
hsa-miR-27a	3.2
hsa-miR-23a	3.1
hsa-miR-18a	3.1
hsa-miR-221	3.1
hsa-miR-193b	3.1

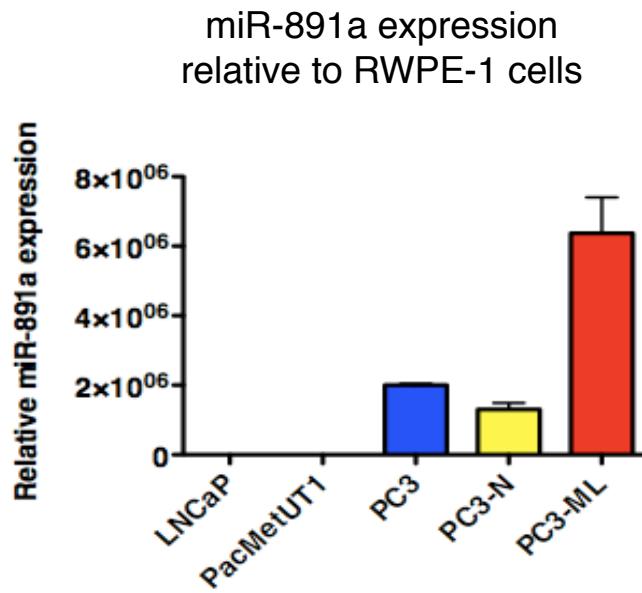
Supplementary Table 3. TaqMan assays (Life Technologies) used for miRNA expression analysis in prostate cancer cell lines, human tissues, and EPS urine specimens.

TaqMan Assay Name	Assay ID	Mature Sequence
cel-mir-39	000200	UCACCGGGUGUAAAUCAGCUUG
hsa-let-7a	000377	UGAGGUAGUAGGUJUGUAUAGUU
hsa-let-7b	000378	UGAGGUAGUAGGUUGUGUGGUU
hsa-let-7c	000379	UGAGGUAGUAGGUUGUAUGGUU
hsa-let-7d	000380	AGAGGUAGUAGGUUGCAUAGU
hsa-let-7e	000381	UGAGGUAGGAGGUUGUAUAGU
hsa-let-7f	000382	UGAGGUAGUAGAUUGUAUAGUU
hsa-let-7g	002282	UGAGGUAGUAGUUUGUACAGUU
hsa-let-7i	000384	UGAGGUAGUAGUUUGUGCUGU
hsa-mir-16	000391	UAGCAGCACGUAAAUAUUGGCG
hsa-mir-17	002308	CAAAGUGCUUACAGUGCAGGUAG
hsa-mir-19a	000395	UGUGCAAAUCUAUGCAAAACUGA
hsa-mir-19b	000396	UGUGCAAAUCCAUGCAAAACUGA
hsa-mir-20a	000580	UAAAGUGCUUUAUAGUGCAGGUAG
hsa-mir-21	000397	UAGCUUAUCAGACUGAUGUUGA
hsa-mir-22	000398	AAGCUGCCAGUUGAAGAACUGU
hsa-mir-23b	000400	AUCACAUUGCCAGGGAUUACC
hsa-mir-26a	000405	UUCAAGUAUCCAGGAUAGGCU
hsa-mir-31	001100	GGCAAGAUGCUGGCAUAGCUG
hsa-mir-34a	000425	UGGCAGUGCUUAGCUGGUUGUU
hsa-mir-92a	000431	UAUUGCACUUGUCCCAGGCCUGU
hsa-mir-99a	000435	AACCCGUAGAUCCGAACUUGUG
hsa-mir-99b	000436	CACCGUAGAACCGACCUUGCG
hsa-mir-100	000437	AACCCGUAGAUCCGAACUUGUG
hsa-mir-106a	002169	AAAAGUGCUUACAGUGCAGGUAG
hsa-mir-124a	000446	UUAAGGCACGCCGGUGAAUGCCA
hsa-mir-125a	000448	UCCCUGAGACCCUUUACCUUGUG
hsa-mir-125b	000449	UCCCUGAGACCCUAACUUGUGA
hsa-mir-133a	002246	UUUGGUCCCCUUCUACACCAGCUG
hsa-mir-137	001129	UUAUUGCUUAGAAUACCGCGUAG
hsa-mir-141	000463	UAACACUGUCUGGUAAAAGAUGG
hsa-mir-155	000479	UUAAUGCUAAUCGUGAUAGGGG
hsa-mir-193a-3p	002250	AACUGGCCUACAAAGUCCCAGU
hsa-mir-200b	002251	UAAAUCUGCCUGGUAAUGAUGA
hsa-mir-205	000509	UCCUUCAUUCACCGGAGUCUG
hsa-mir-221	000524	AGCUACAUUGUCUGCUGGGUUUC
hsa-mir-222	000525	AGCUACAUUCUGGUACUGGGUCUC
hsa-mir-330-5p	002230	UCUCUGGGCCUGUGUCUUAGGC
hsa-mir-375	000564	UUUGUUCGUUCGGCUCGCGUGA
hsa-mir-422a	002297	ACUGGACUUAGGGUCAGAAGGC
hsa-mir-450b-5p	002207	UUUUGCAUAUAGUUCUGAAUA
hsa-mir-495	001108	AAACAAACAUGGUGCACUUCUUU
hsa-mir-498	001044	UUUCAAGCCAGGGGGCGUUUUUC
hsa-mir-503	001048	UAGCAGCGGAACAGUUCUGCAG
hsa-mir-505	002089	CGUCAACACUUCUGCUGGUUUCCU
hsa-mir-517c	001153	AUCGUGCAUCCUUUUAGAGUGU
hsa-mir-520d-3p	002743	AAAGUGCUUCUCUUUUGGUGGGU

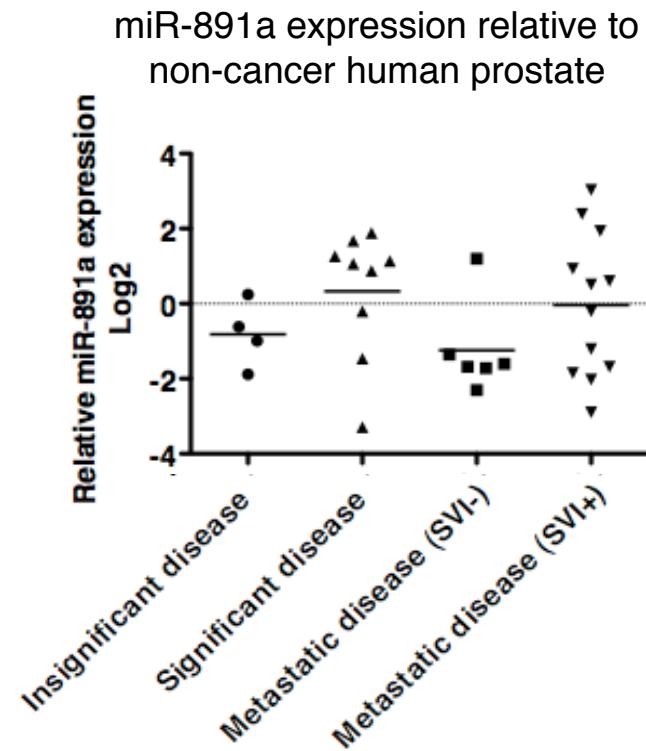
hsa-mir-545	002267	UCAGCAAACAUUUAUUGUGUGC
hsa-mir-551b	001535	GCGACCCAUACUUGGUUCAG
hsa-mir-888	002212	UACUCAAAAGCUGUCAGUCA
hsa-mir-891a	002191	UGCAACGAACCUGAGCCACUGA
hsa-mir-1246	462575_mat	AAUGGAUUUUUGGAGCAGG

Supplemental Figure 1

A



B

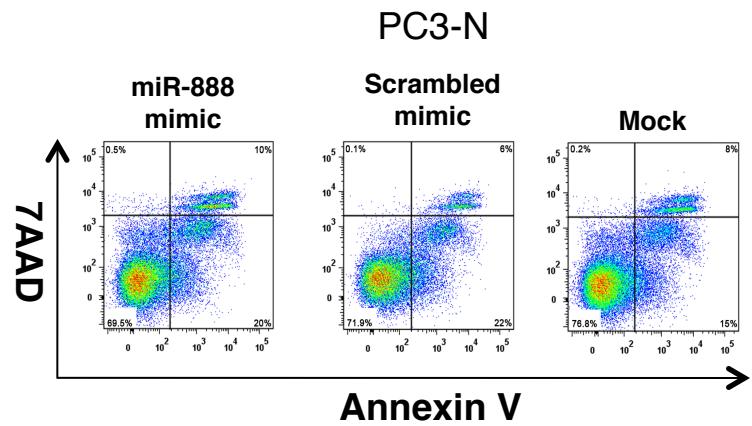


C

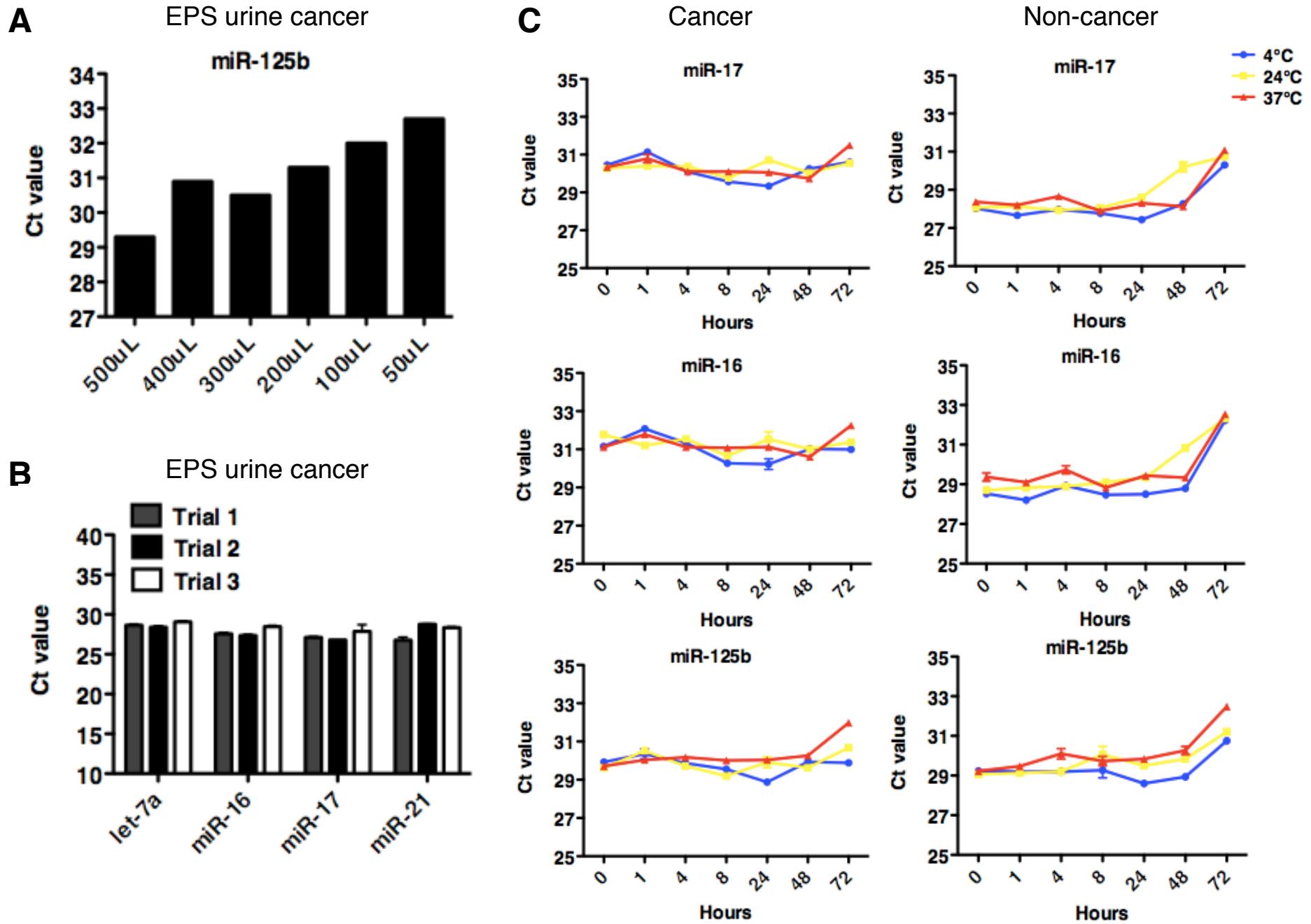
Mature miRNA sequences

hsa-miR-888 UACUCAAAAGCUGUCAGUCA
hsa-miR-891a UGCAACGAACCUGAGGCCACUGA

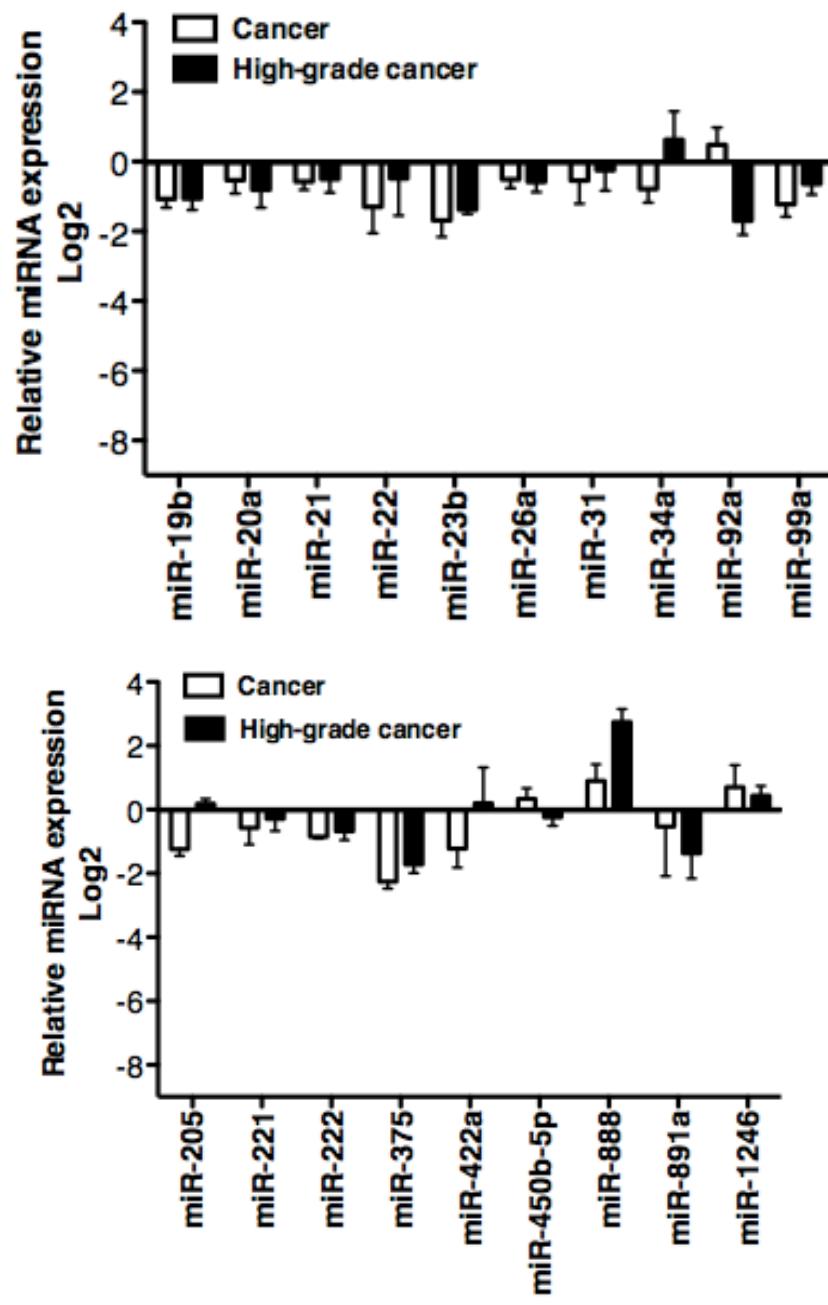
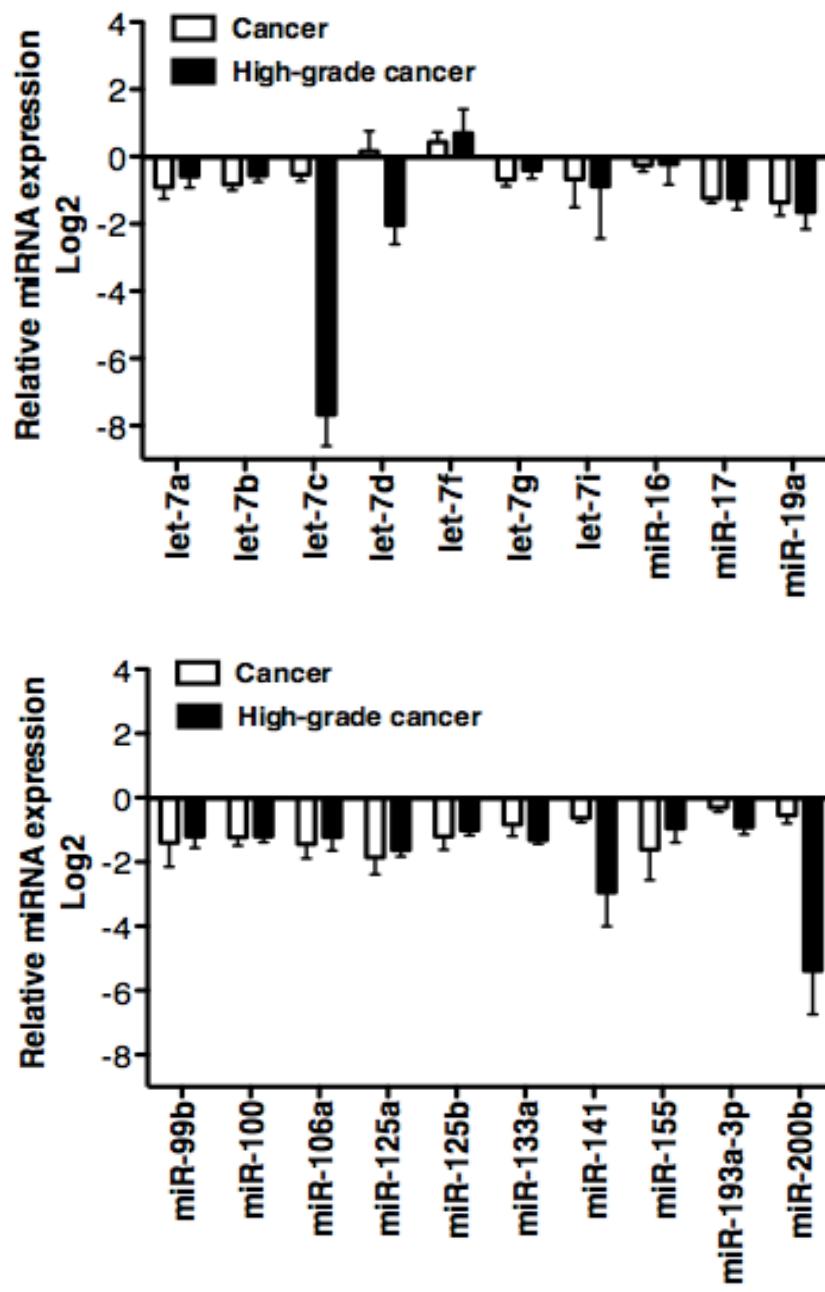
Supplemental Figure 2



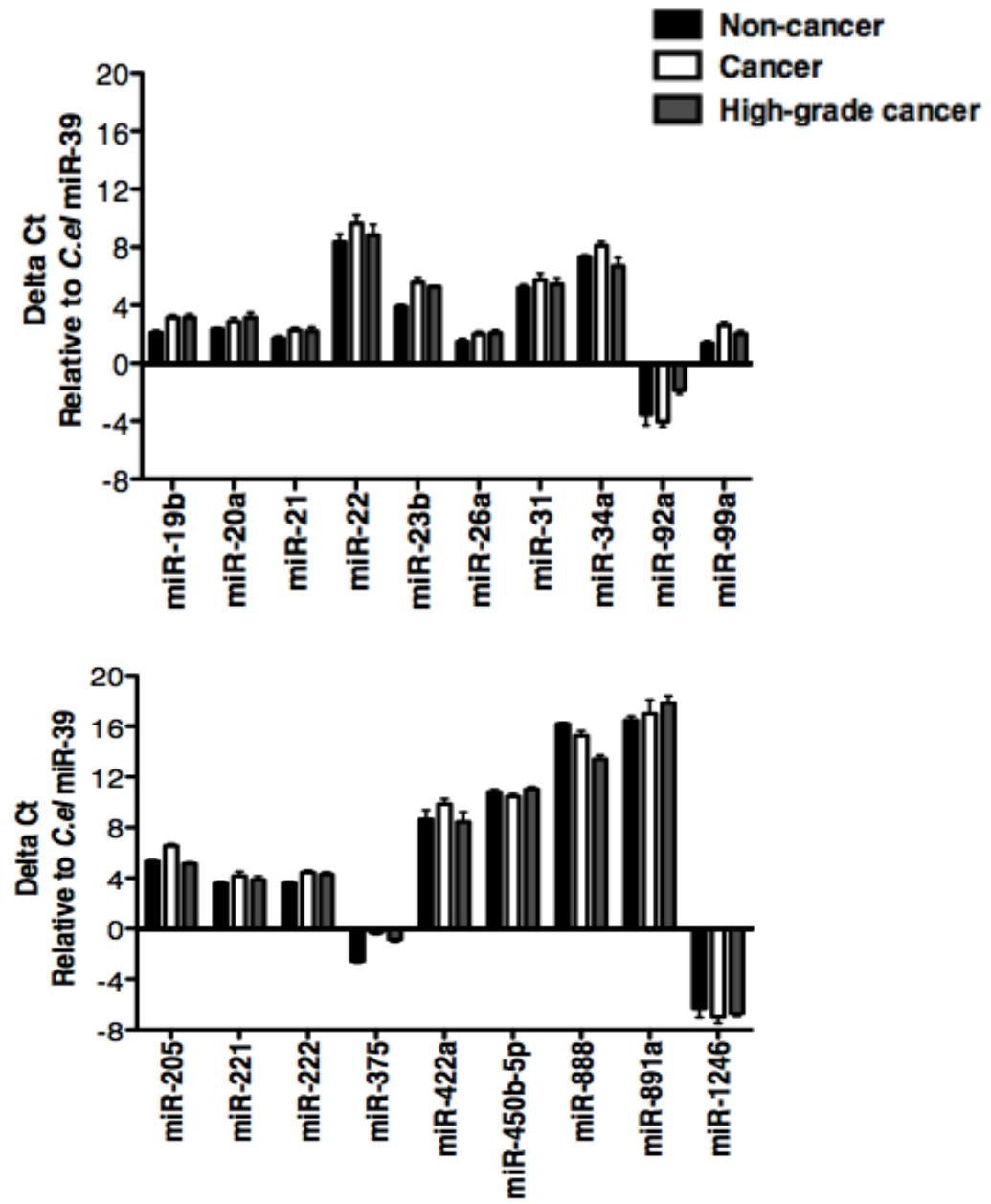
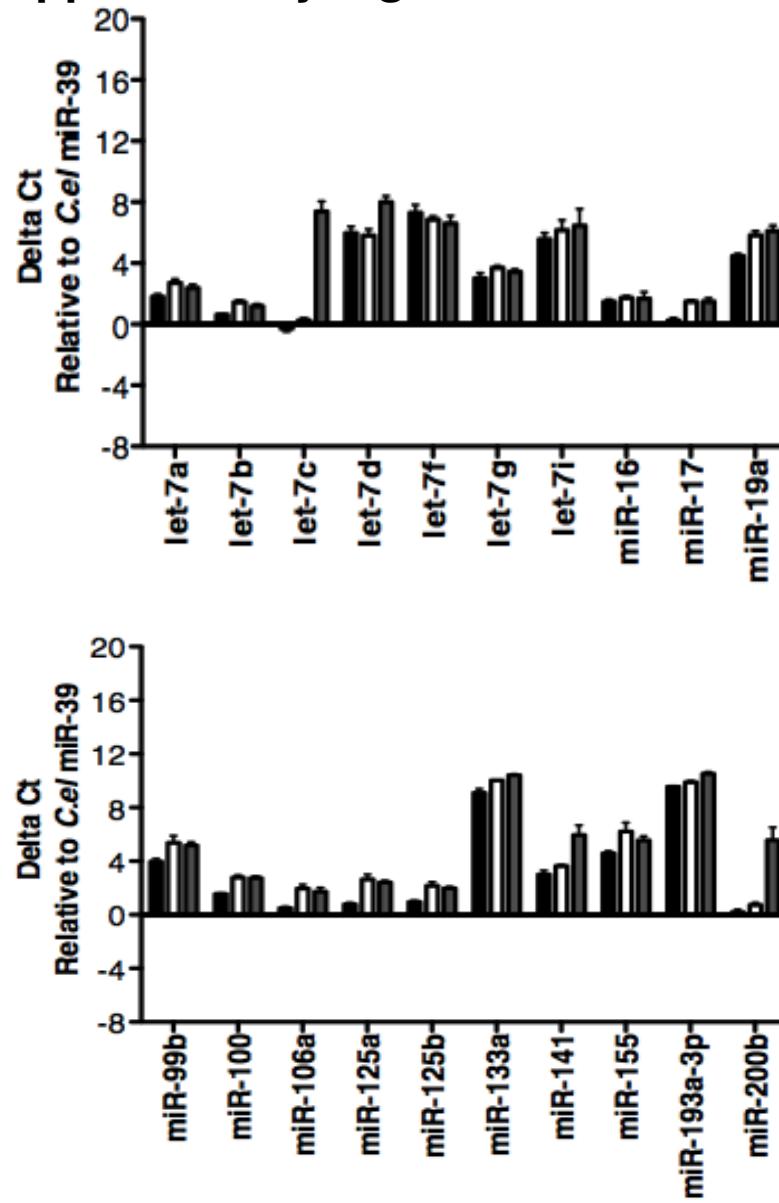
Supplementary Figure 3



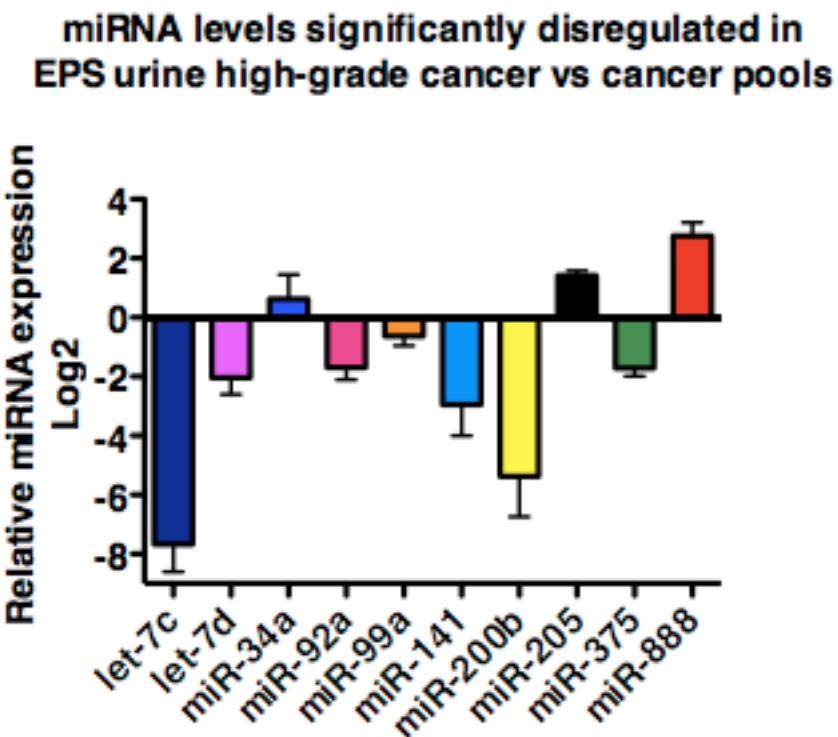
Supplementary Figure 4A



Supplementary Figure 4B

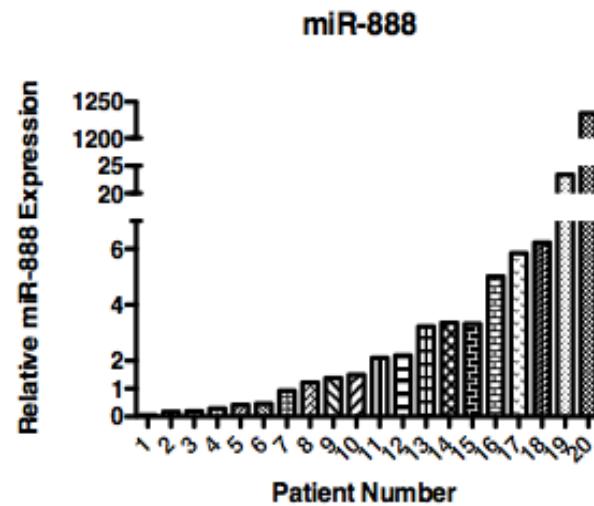


Supplementary Figure 5

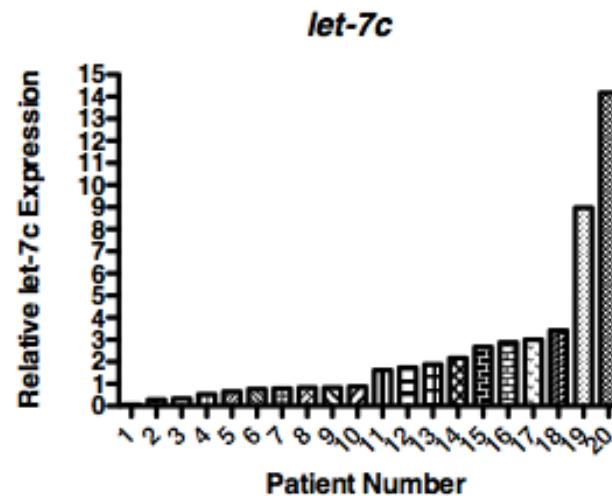


Supplementary Figure 6

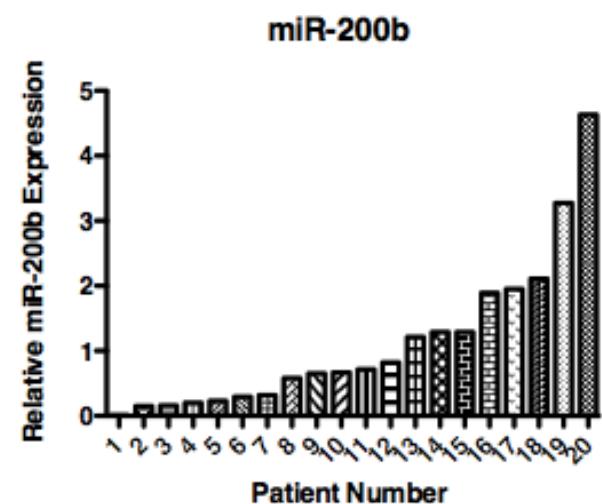
A



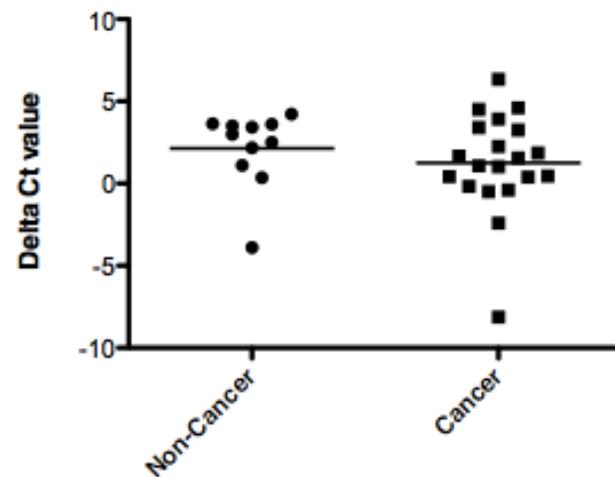
B



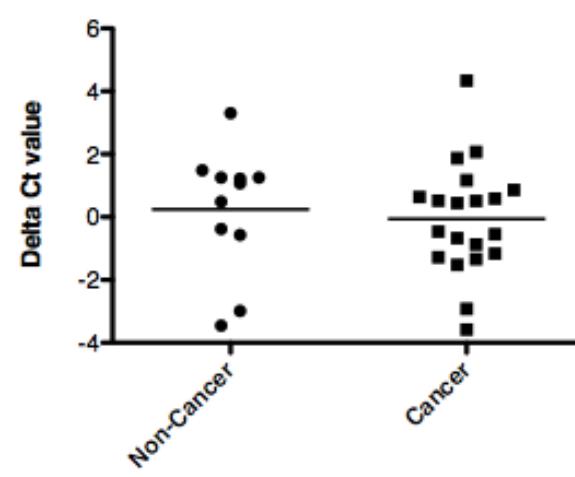
C



miR-888



let-7c



miR-200b

